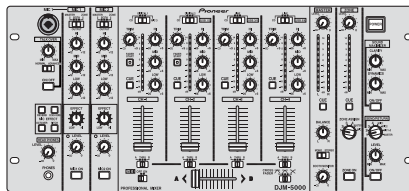


Pioneer

Service Manual



DJM-5000

ORDER NO.
RRV3992

DJ MIXER

DJM-5000

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
DJM-5000	CUXJ	AC 120 V	
DJM-5000	SYXJ5	AC 220 V to 240 V	
DJM-5000	LXJ	AC 110 V to 120 V or 220 V to 240 V	
DJM-5000	KXJ5	AC 220 V	



For details, refer to "Important Check Points for good servicing".

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SAFETY INFORMATION



This service manual is intended for qualified service technicians ; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product may contain a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols  (fast operating fuse) and/or  (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible  (fusible de type rapide) et/ou  (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

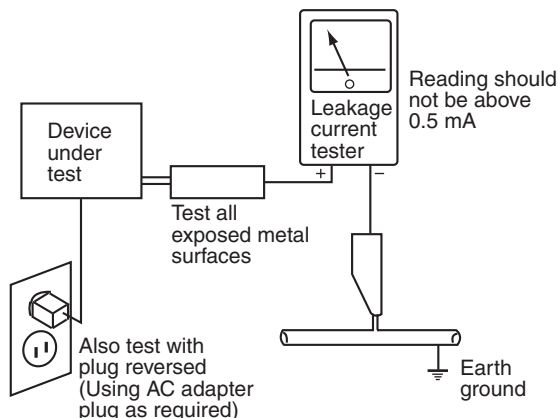
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol. Please be sure to confirm and follow these procedures.

1. Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

- ① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

- ② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification (addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

- ③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

- ④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

- ⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

- ⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

- ⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

- ⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

- ⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

- ⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws



To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SERVICE PRECAUTIONS

1.1 NOTES ON SOLDERING

A

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 °C.
Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Do NOT use a soldering iron whose tip temperature cannot be controlled.

B

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:

- Parts numbers of lead-free solder:
GYP1006 1.0 in dia.
GYP1007 0.6 in dia.
GYP1008 0.3 in dia.

C

D

E

F

2. SPECIFICATIONS

2.1 SPECIFICATIONS

General

Power requirements.....	AC 120 V, 60 Hz (CUXJ) AC 220 V to 240 V, 50 Hz / 60 Hz (SYXJ5) AC 110 V to 120 V or 220 V to 240 V, 50 Hz / 60 Hz (LXJ) AC 220 V, 60 Hz (KXJ5)
Power consumption.....	31 W (CUXJ, KXJ5) 33 W (SYXJ5, LXJ)
Main unit weight	6.9 kg (15.2 lb)
External dimensions	482.6 mm (W) x 107.8 mm (H) x 225.1 mm (D) (19.0 in. (W) x 4.2 in. (H) x 8.9 in. (D))
Tolerable operating temperature.....	+5 °C to +35 °C (+41 °F to +95 °F)
Tolerable operating humidity	5 % to 85 % (no condensation)

Audio Section

Sampling rate	96 kHz
A/D, D/A converter.....	24 bits
Frequency characteristic	
CD/LINE/MIC.....	20 Hz to 20 kHz
S/N ratio (rated output)	
CD/LINE	102 dB
MIC.....	84 dB
Total harmonic distortion (LINE — MASTER1).....	0.005 %
Standard input level / Input impedance	
MIC1, MIC2	-52 dBu/22 kΩ
MIC3	-52 dBu/47 kΩ
CD/LINE (3, 4).....	-12 dBu/47 kΩ
RETURN	-12 dBu/47 kΩ
Standard output level / Load impedance / Output impedance	
MASTER1	+8 dBu/10 kΩ/10 Ω or lower
MASTER2	+2 dBu/10 kΩ/10 Ω or lower
REC OUT.....	-8 dBu/10 kΩ/10 Ω or lower
BOOTH	+8 dBu/10 kΩ/600 Ω
ZONE.....	+8 dBu/10 kΩ/600 Ω (ATT 0 dB)
SEND.....	-12 dBu/10 kΩ/1 kΩ or lower
PHONES.....	+8.5 dBu/32 Ω/22 Ω or lower
Rated output level / Load impedance	
MASTER1	+25 dBu/10 kΩ
MASTER2	+20 dBu/10 kΩ
ZONE.....	+25 dBu/10 kΩ (ATT 0 dB)
Crosstalk (LINE)	80 dB
Channel equalizer characteristic	
HI.....	-26 dB to +6 dB (13 kHz)
MID	-26 dB to +6 dB (1 kHz)
LOW	-26 dB to +6 dB (70 Hz)
Microphone equalizer characteristic	
HI	-12 dB to +12 dB (10 kHz)
MID	-12 dB to +12 dB (2.5 kHz)
LOW	-12 dB to +12 dB (100 Hz)

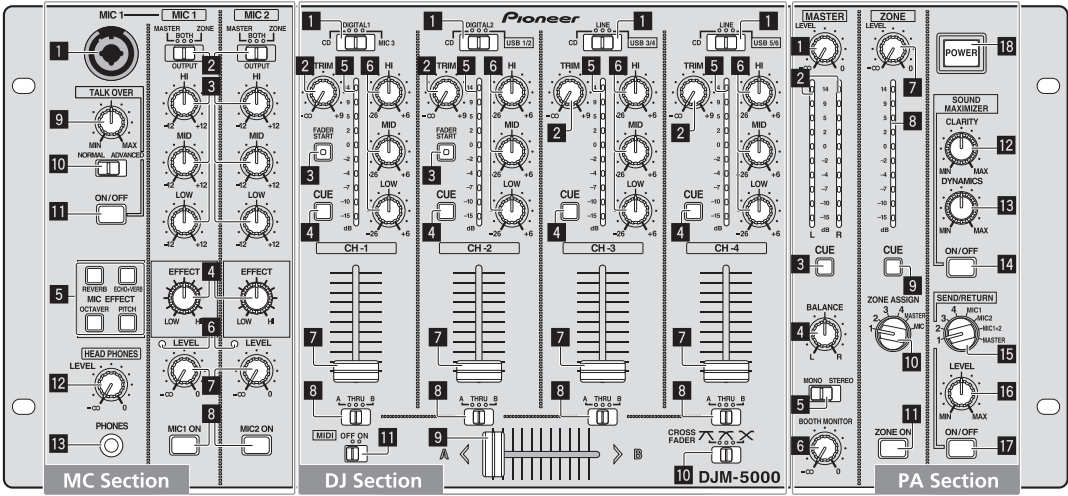
Input / Output terminals

CD input terminal	
RCA pin jack	4
LINE input terminal	
RCA pin jack	2
MIC input terminal	
XLR connector/Phone jack (Ø 6.3 mm)	1
XLR connector.....	1
Phone jack (Ø 6.3 mm)	1
RETURN Input terminals	
Phone jack (Ø 6.3 mm)	1
ZONE output terminal	
XLR connector.....	1
MASTER output terminal	
XLR connector.....	1
RCA pin jack	1
BOOTH output terminal	
Phone jack (Ø 6.3 mm)	1
REC OUT output terminal	
RCA pin jack	1
SEND output terminal	
Phone jack (Ø 6.3 mm)	1
DIGITAL IN coaxial input terminal	
RCA pin jack	2
PHONES output terminal	
Stereo phone jack (Ø 6.3 mm)	1
USB terminal	
B-type	1
CONTROL terminal	
Mini phone jack (Ø 3.5 mm).....	2

- The specifications and design of this product are subject to change without notice.
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2.2 PANEL FACILITIES

[1] Control Panel



MC Section

- MIC 1
- MIC 2
- MIC 1
- OUTPUT
- HI, MID, LOW
- EFFECT
- MIC EFFECT
- Peak Level Indicator
- LEVEL
- MIC1 ON, MIC2 ON

- TALK OVER
- Talk-Over Level
- NORMAL/ADVANCED
- ON/OFF
- HEAD PHONES
- LEVEL
- PHONES

DJ Section

- CH-1
- CH-4
- Input Selector Switch
- TRIM
- FADER START
- CUE
- Channel Level Indicator
- HI, MID, LOW
- Channel Fader

CROSS FADER

- Crossfader Assign Switch
- Crossfader
- [CROSS FADER] (Crossfader Curve Selector Switch)
- MIDI
- MIDI

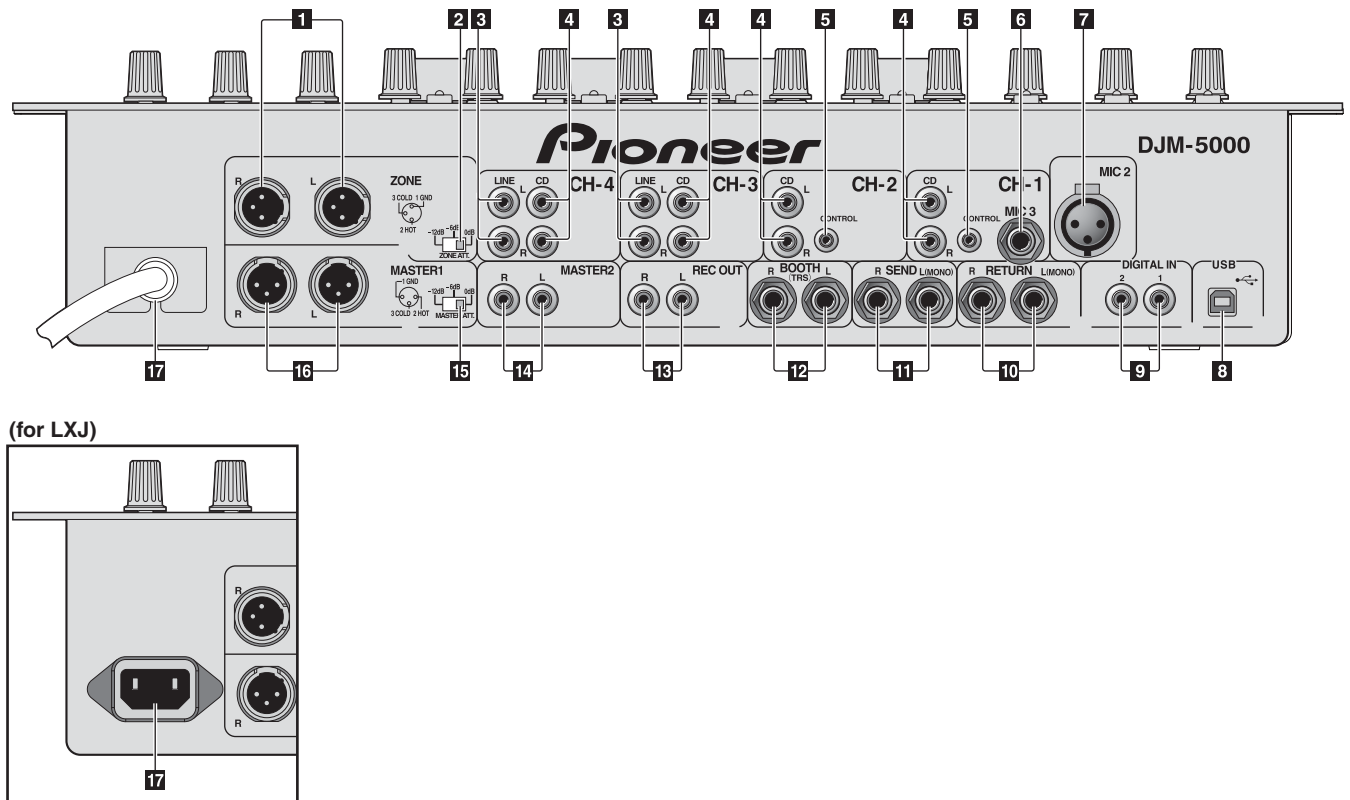
PA Section

- MASTER
- LEVEL
- Master Level Indicator
Displays the level of audio signals that have passed through [LEVEL] in the [MASTER] channel.
- CUE
- BALANCE
- MONO/STEREO
- BOOTH MONITOR
- ZONE
- LEVEL
- Zone Level Indicator
Displays the level of audio signals that have passed through [LEVEL] in the [ZONE] channel.
- CUE
- Output Channel Selector Switch
- ZONE ON

SOUND MAXIMIZER

- CLARITY
- DYNAMICS
- ON/OFF
- SEND/ RETURN
- Output Channel Selector Switch
- LEVEL
- ON/OFF
- POWER
- POWER

[2] Rear Panel



1 ZONE

An output terminal for the **ZONE** channel.

2 ZONE ATT

Use to switch the attenuation level of audio signals output at the **[ZONE]** terminal. Select from 0 dB, -6 dB and -12 dB.

3 LINE

Connect to a cassette deck or a line level output component.

4 CD

Connect to a DJ player or a line level output component.

5 CONTROL

This is a control terminal for a DJ player. Use the fader of this unit to control a DJ player.

6 MIC3

Connect to a microphone.

7 MIC2

Connect to a microphone.

8 USB

Connect to a computer.

9 DIGITAL IN

Connect to a digital audio output component.

10 RETURN

Connect to the output terminal of an external effector. When the **[L]** channel only is connected, the **[L]** channel input is simultaneously input to the **[R]** channel.

11 SEND

Connect to the input terminal of an external effector. When the **[L]** channel only is connected, a monaural audio signal is output.

12 BOOTH

Output terminals for a booth monitor, compatible with balanced or unbalanced output for a TRS connector.

13 REC OUT

This is an output terminal for recording.

14 MASTER2

Connect to a power amplifier, etc.

15 MASTER ATT

Use to switch the attenuation level of audio signals output at the **[MASTER1]** or **[MASTER2]** terminal. Select from 0 dB, -6 dB and -12 dB.

16 MASTER1

Connect to a power amplifier, etc.

17 Power cable (for CUXJ, SYXJ5 and KXJ5)

Connect to an AC outlet. Plug in the power cord after all connections have been made.

17 AC IN (for LXJ)

Connect the supplied AC power cable to the AC IN inlet, then plug into a power outlet. Plug in the power cable after all connections have been made.

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

A

Items to be checked after servicing / DJM

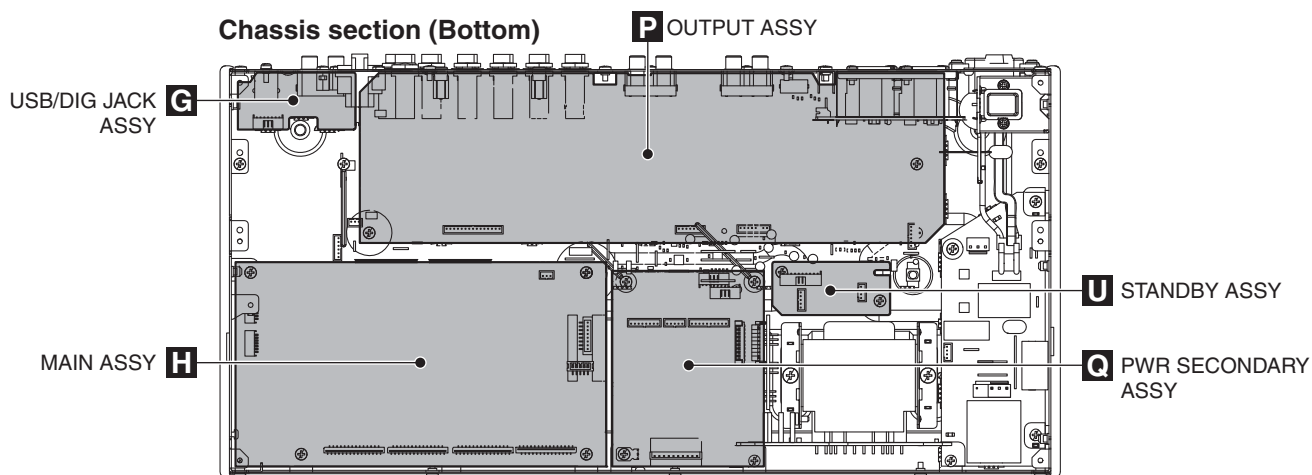
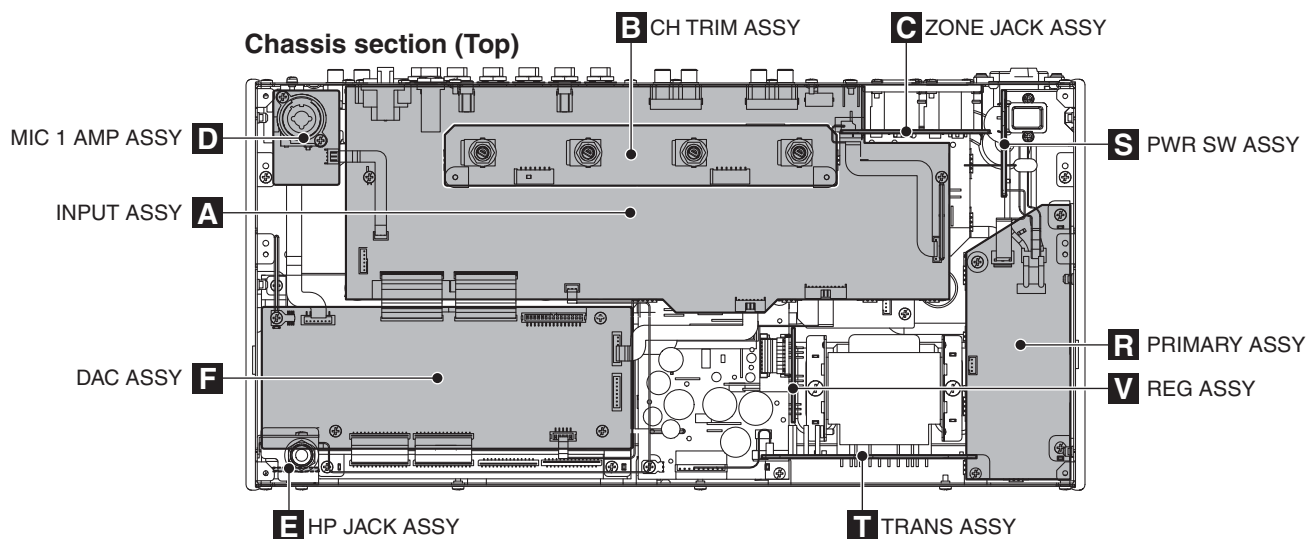
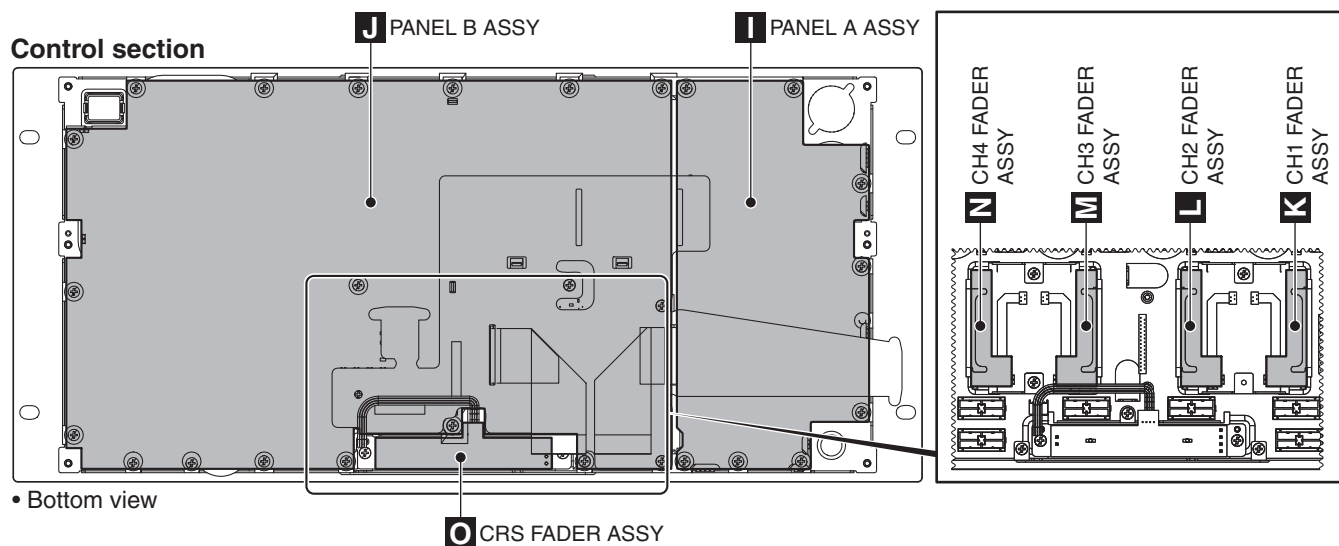
To keep the product quality after servicing, confirm recommended check points shown below.

No.	Procedures	Check points
1	Confirm whether the customer complain has been solved. If the customer complain occurs with the specific source, such as Mic, each Input, Fader, Equalizer, and Trim, input that specific source for checking.	The customer complain must not be reappeared. Audio and operations must be normal.
2	Check the analog audio playback. (Make the analog connections with a CDJ player.)	Audio for each channel and operations must be normal.
3	Check Fader playback. (Select Fader and check the multichannel operations via the DSP.)	Audio for each channel and operations must be normal.
4	Check the master outputs. (Connect with a CDJ player.)	Audio and operations must be normal.
5	Check the sound from headphone output.	Sound must be normal, without noise.
6	Check the keys on the unit.	Check whether a product can be operated properly by buttons on the product.
7	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding audio.

Item to be checked regarding audio
Distortion
Noise
Volume too low
Volume too high
Volume fluctuating
Sound interrupted

3.2 PCB LOCATIONS



A

NOTES: ● Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
 ● The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
 Therefore, when replacing, be sure to use parts of identical designation.

LIST OF ASSEMBLIES

Mark	Symbol and Description	DJM-5000 /CUXJ	DJM-5000 /SYXJ5	DJM-5000 /LXJ	DJM-5000 /KXJ5
NSP	1..MAIN ASSY	DWM2341	DWM2341	DWM2341	DWM2341
	2..MAIN ASSY	DWX2952	DWX2952	DWX2952	DWX2952
	2..DAC ASSY	DWX3027	DWX3027	DWX3027	DWX3027
NSP	1..INOUE ASSY	DWM2342	DWM2342	DWM2342	DWM2342
	2..INPUT ASSY	DWX2953	DWX2953	DWX2953	DWX2953
	2..OUTPUT ASSY	DWX2954	DWX2954	DWX2954	DWX2954
NSP	1..SUB ASSY	DWM2343	DWM2343	DWM2371	DWM2343
	2..PWR SW ASSY	DWR1445	DWR1445	DWR1445	DWR1445
	2..PRIMARY ASSY	DWR1446	DWR1446	DWR1450	DWR1446
NSP	2..TRANS ASSY	DWR1447	DWR1447	DWR1451	DWR1447
	2..REG ASSY	DWR1448	DWR1448	DWR1448	DWR1448
	2..PWR SECONDARY ASSY	DWR1449	DWR1449	DWR1449	DWR1449
2..MIC 1 AMP ASSY	2..MIC 1 AMP ASSY	DWX2955	DWX2955	DWX2955	DWX2955
	2..HP JACK ASSY	DWX2957	DWX2957	DWX2957	DWX2957
	2..USB/DIG JACK ASSY	DWX2959	DWX2959	DWX2959	DWX2959
2..PANEL A ASSY	2..PANEL A ASSY	DWX2961	DWX2961	DWX2961	DWX2961
	2..CH1 FADER ASSY	DWX2968	DWX2968	DWX2968	DWX2968
	2..CH2 FADER ASSY	DWX2969	DWX2969	DWX2969	DWX2969
2..CH3 FADER ASSY	2..CH3 FADER ASSY	DWX2970	DWX2970	DWX2970	DWX2970
	2..CH4 FADER ASSY	DWX2971	DWX2971	DWX2971	DWX2971
	2..STANDBY ASSY	DWX3028	DWX3028	DWX3028	DWX3028
2..ZONE JACK ASSY	2..ZONE JACK ASSY	DWX3029	DWX3029	DWX3029	DWX3029
	1..PANL ASSY	DWM2344	DWM2344	DWM2344	DWM2344
	2..PANEL B ASSY	DWX2962	DWX2962	DWX2962	DWX2962
2..CH TRIM ASSY	2..CH TRIM ASSY	DWX2964	DWX2964	DWX2964	DWX2964
	2..CRS FADER ASSY	DWX2972	DWX2972	DWX2972	DWX2972

3.3 JIGS LIST

■ Jigs List

A

Jig No.	Jig Name	Remarks
GGD1530	Dedicated cable for connector conversion	used for firmware download.
GGF1605	Interface device	used for firmware download.
GGP1174 (x2)	29P FFC	used for diagnosis of MAIN Assy.

■ Lubricants and Glues List

B

Name	Part No.	Remarks
Silicon grease	ZLB-PN600	Refer to “9.3 BOTTOM SECTION”.

C

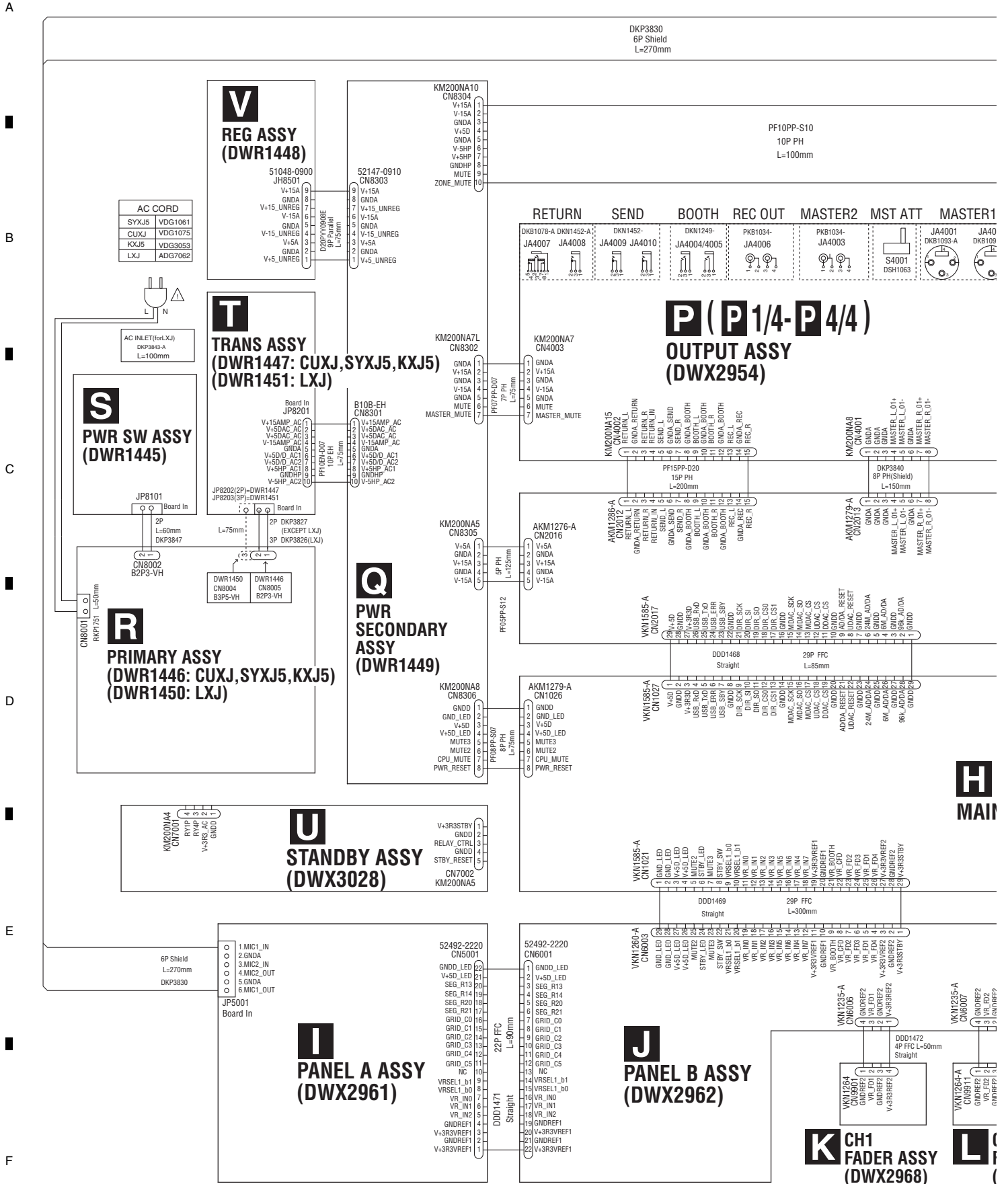
D

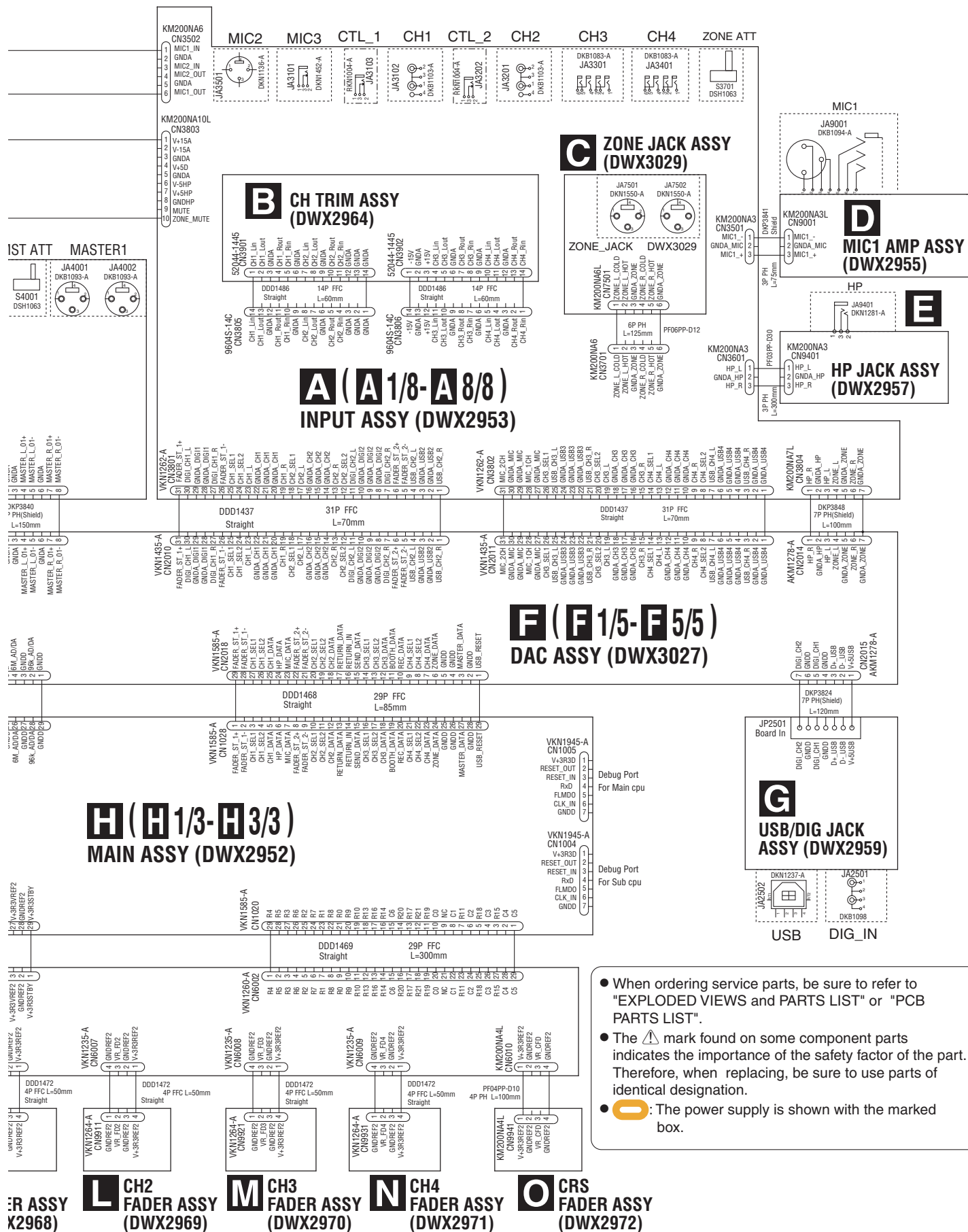
E

F

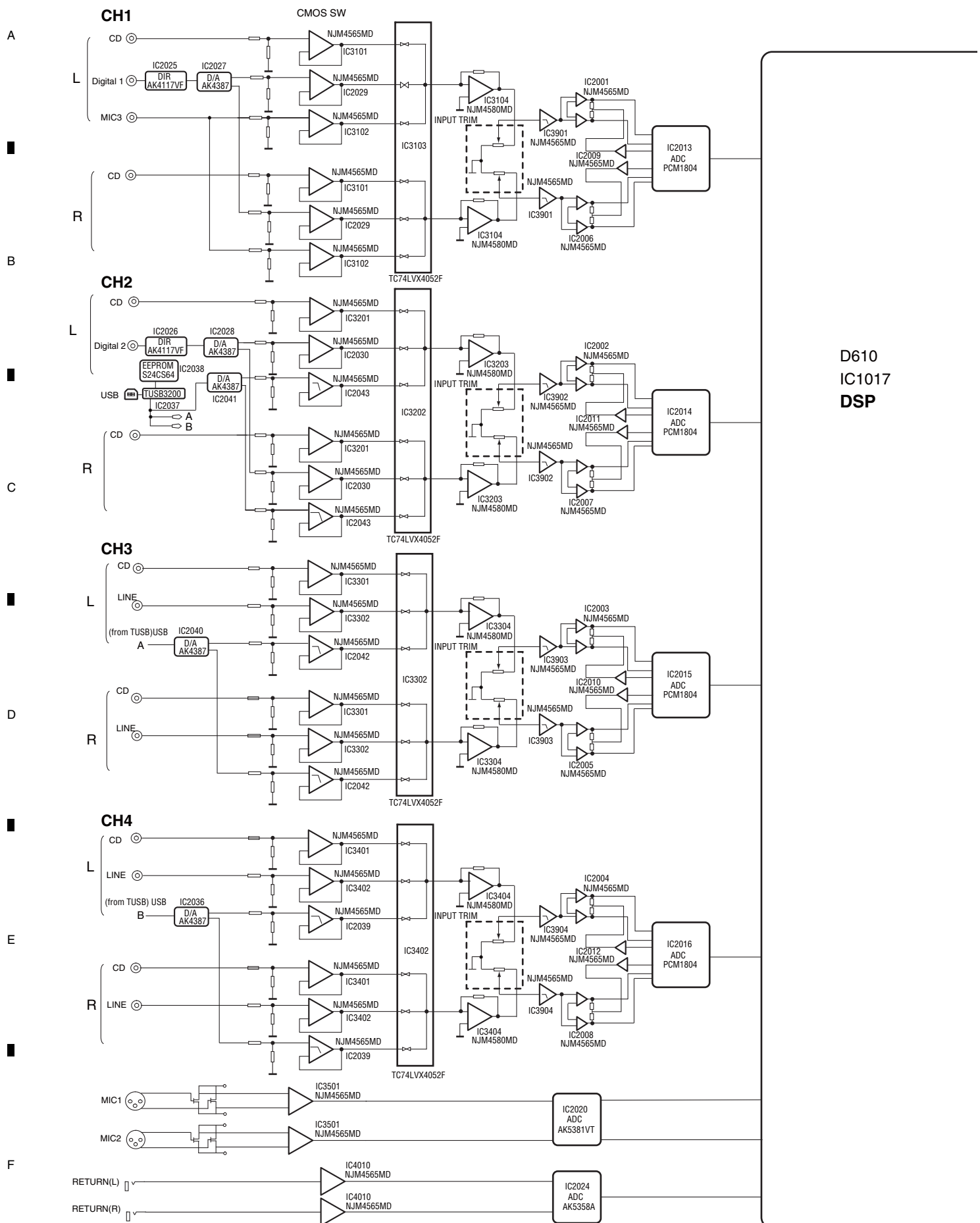
4. BLOCK DIAGRAM

4.1 OVERALL CONNECTION DIAGRAM

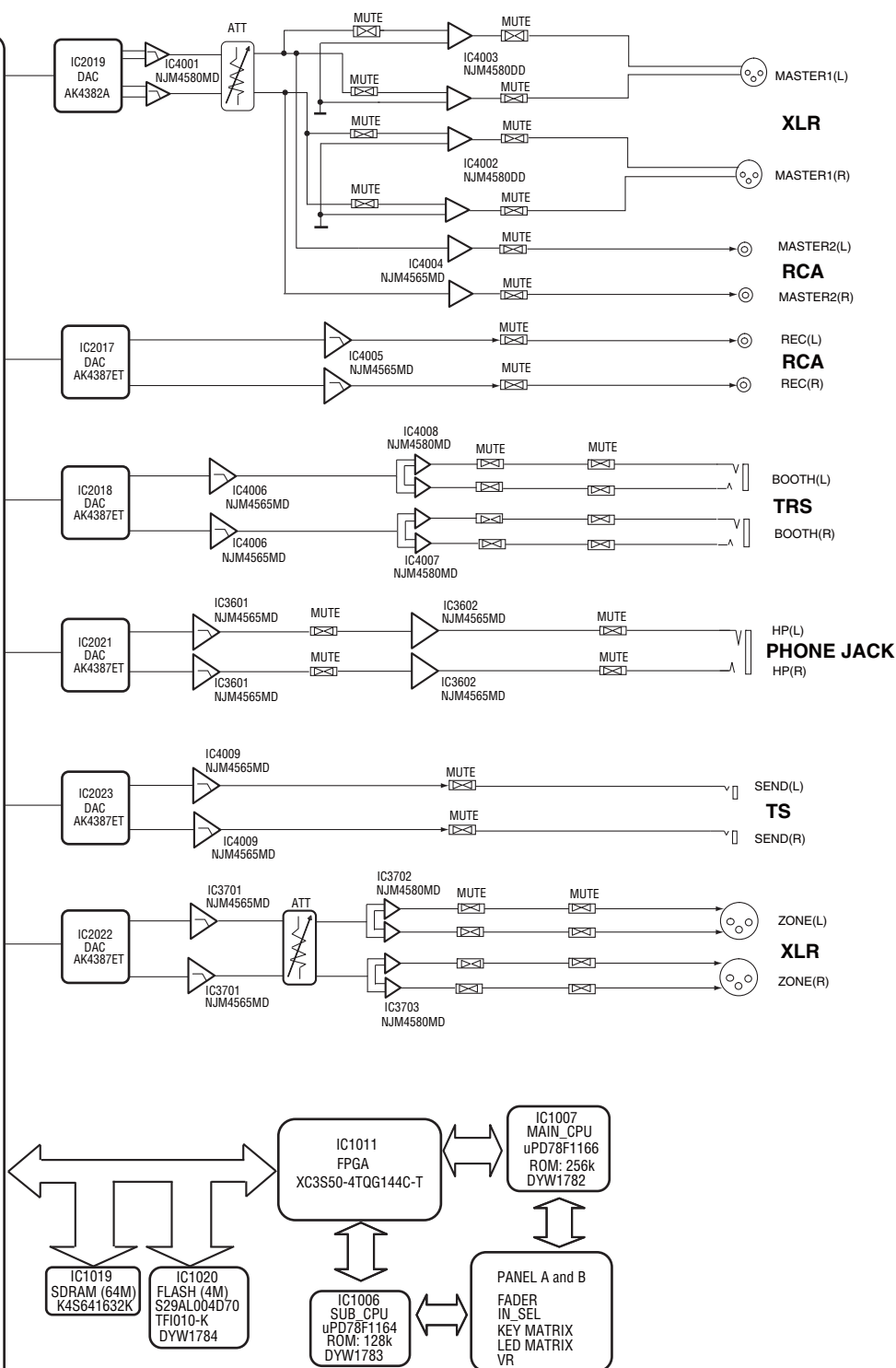




4.2 BLOCK DIAGRAM



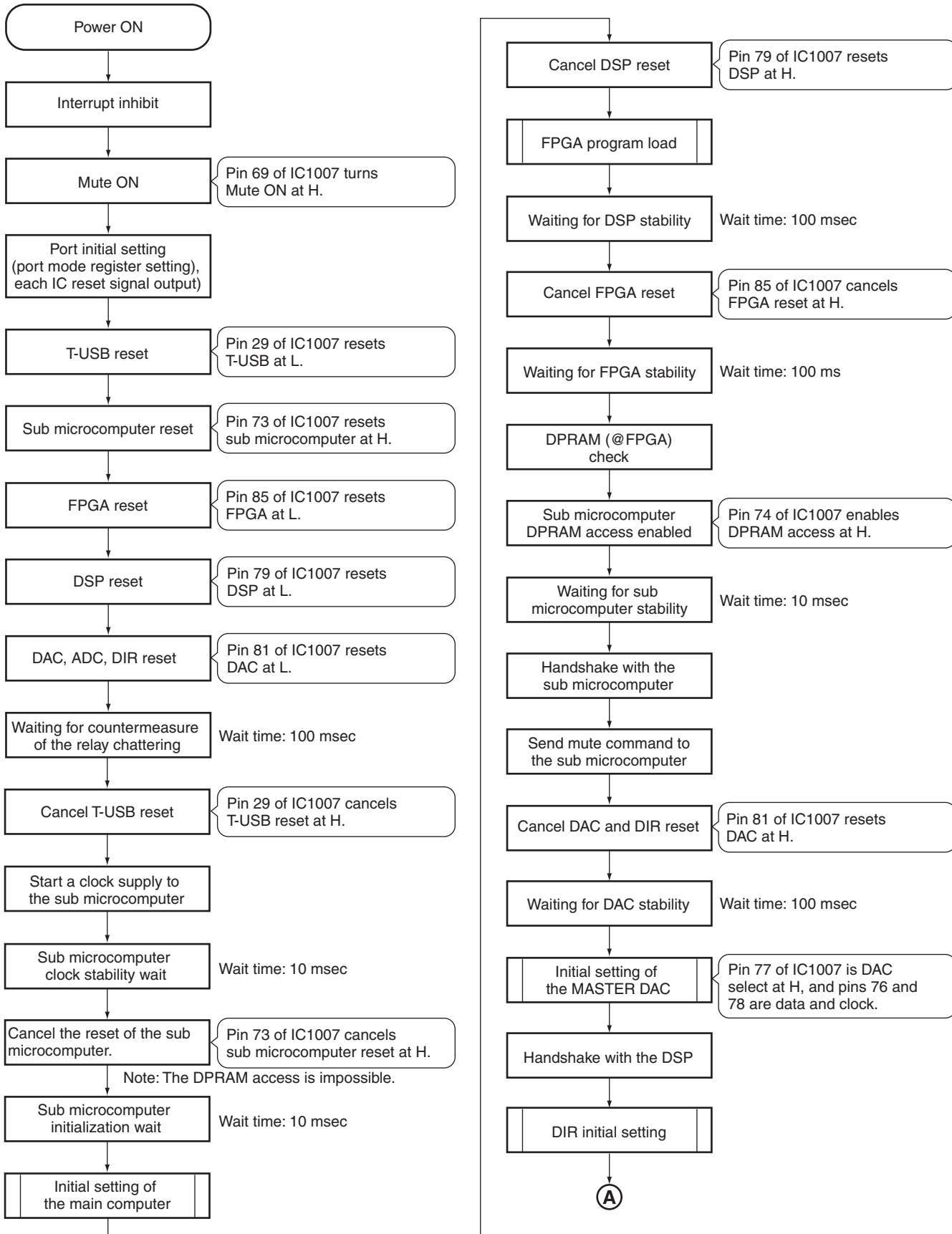
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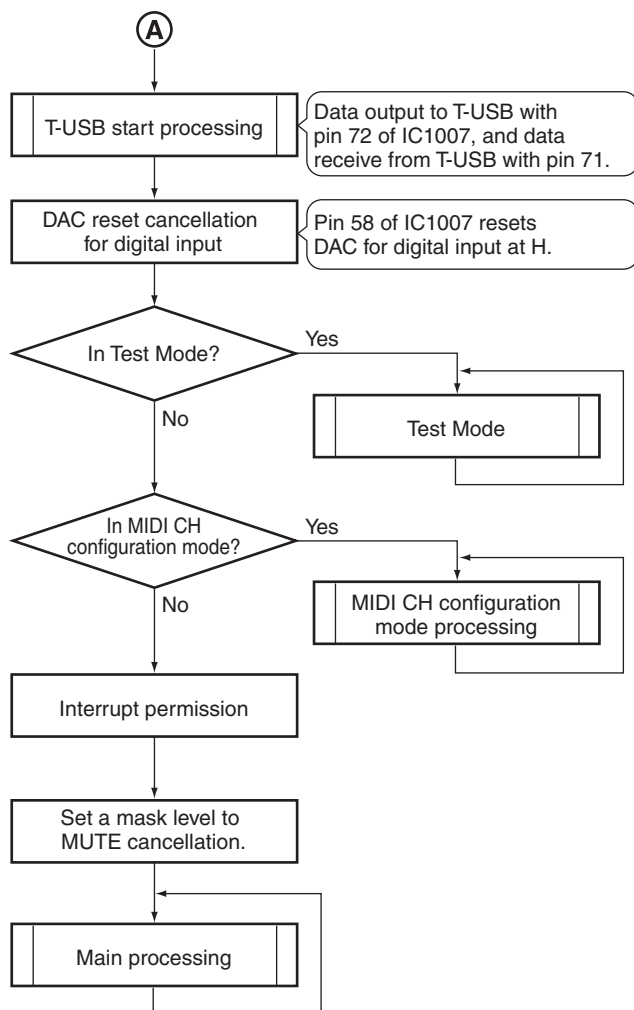


5. DIAGNOSIS

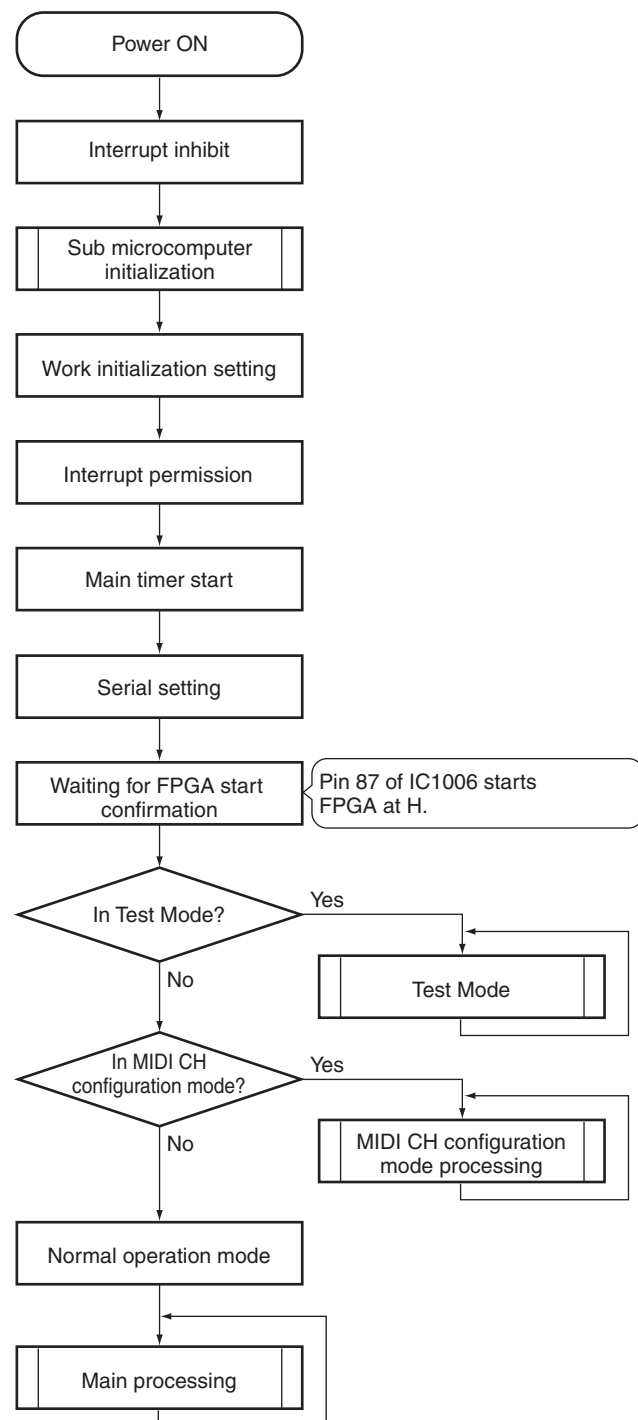
5.1 POWER ON SEQUENCE

● MAIN MICROCOMPUTER





● SUB MICROCOMPUTER



MOBILE MIXER

A

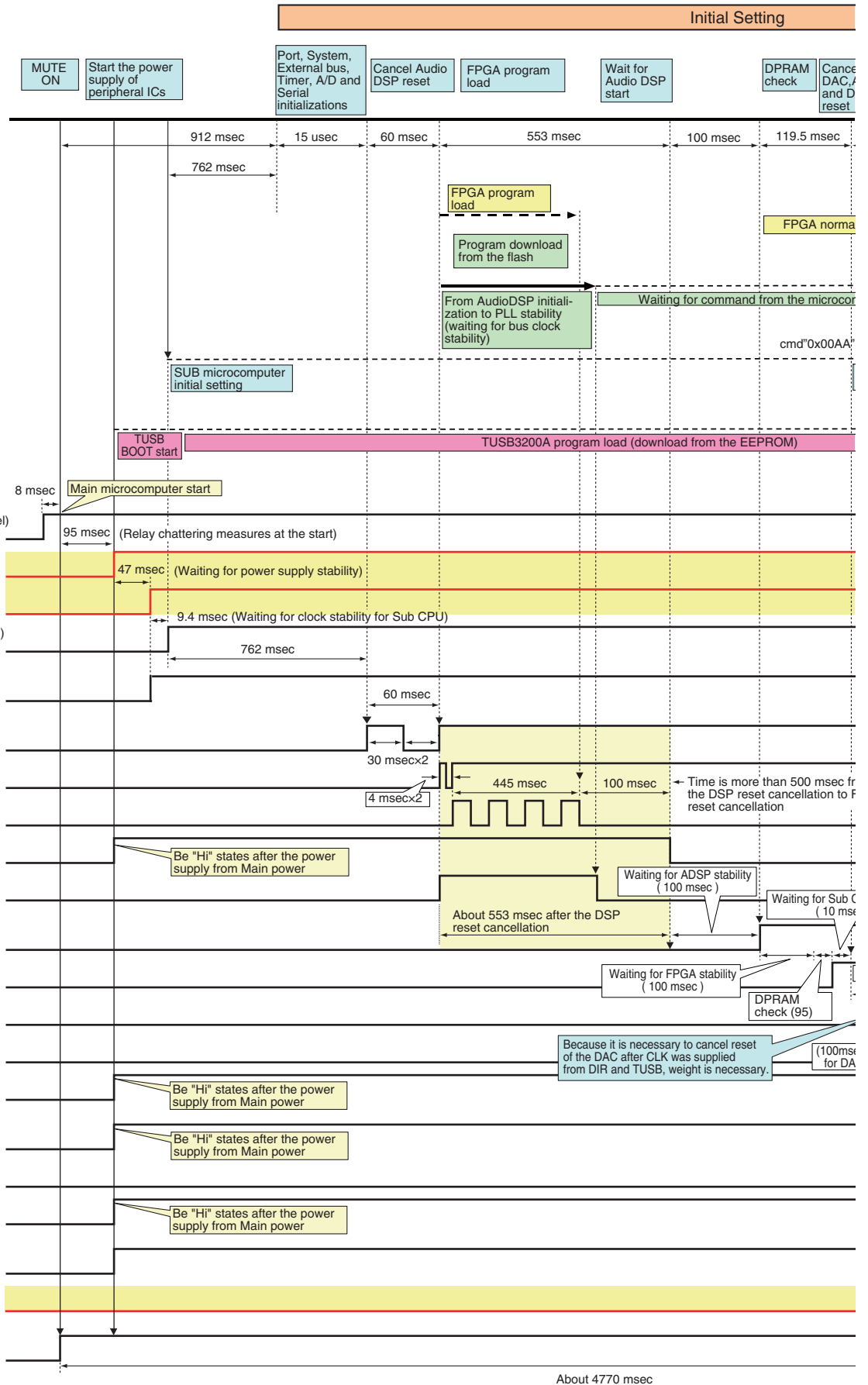
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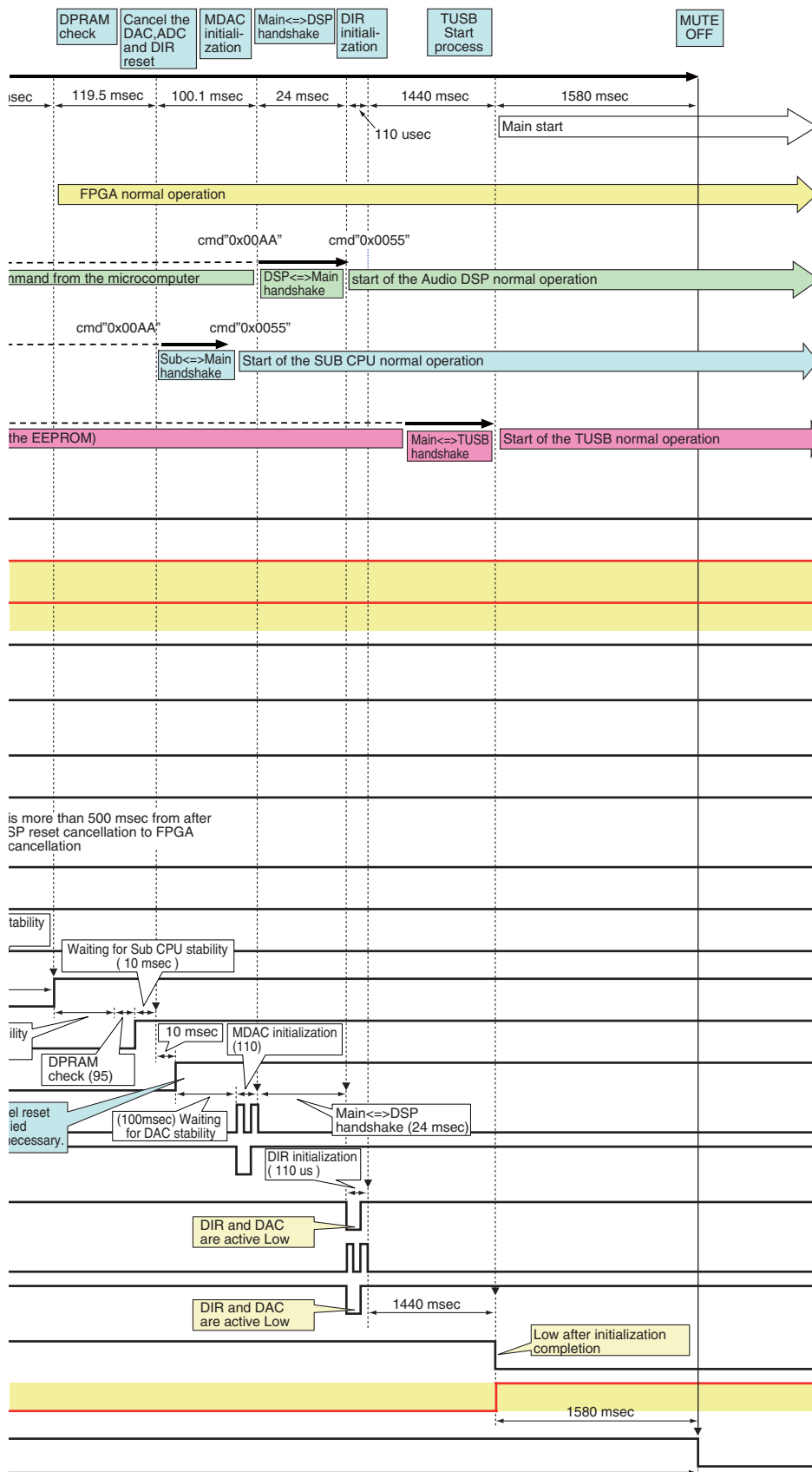
D

E

F



al Setting



6. SERVICE MODE

6.1 TEST MODE

1. Description of Test Modes

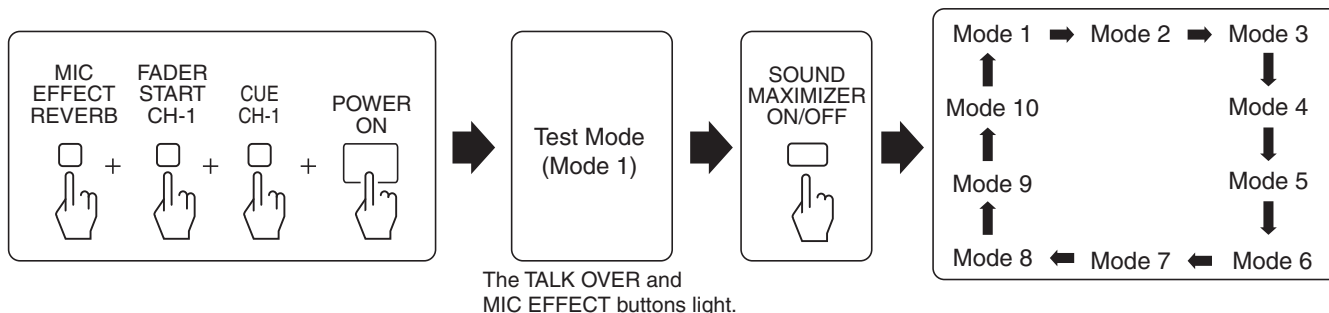
The Following ten test modes are provided for this unit:

- ① Mode 1 : Version confirmation mode.
- ② Mode 2 : All LED "OFF" mode.
- ③ Mode 3 : All LED "ON" mode.
- ④ Mode 4 : Key operating test mode.
- ⑤ Mode 5 : Select SW operating test mode.
- ⑥ Mode 6 : Rotary volume confirmation mode.
- ⑦ Mode 7 : Confirmation of the amplitude value that can be altered with a rotary volume
- ⑧ Mode 8 : Fader test mode.
- ⑨ Mode 9 : Confirmation of the amplitude value of the fader
- ⑩ Mode 10 : Meter LED test mode.

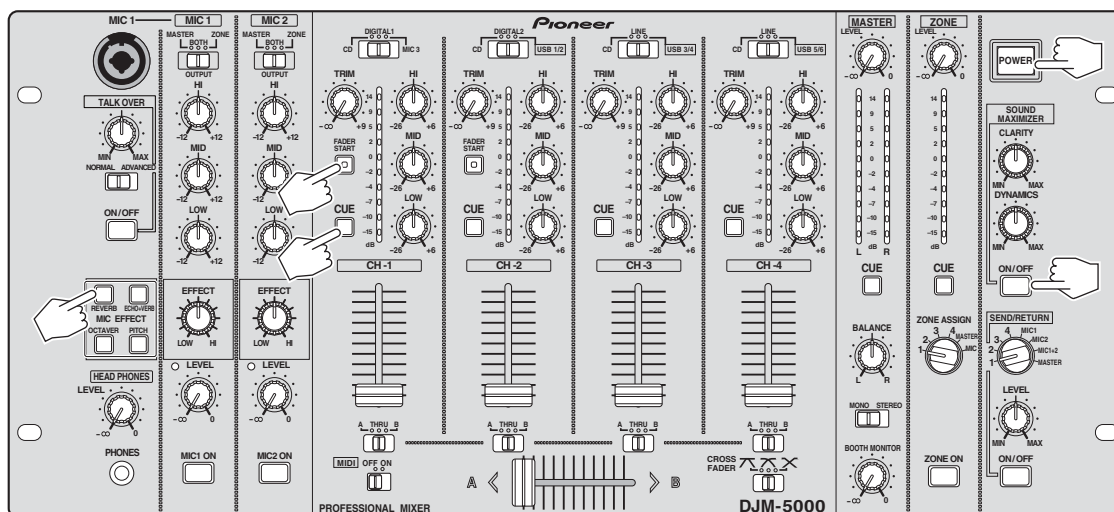
2. How to Enter and Cancel the Test Mode

Test Mode : ON

Cyclic operation



- Test mode consists of 10 modes (Modes 1-10), and each mode can be cyclically selected by pressing the SOUND MAXIMIZER ON/OFF button.
- The current mode can be confirmed by the number of ZONE LEVEL METER LEDs lit. The number of LEDs lit in order from the bottom corresponds to the mode number. The LEDs are lit for 1 second after modes are changed.
- Immediately after Test mode is entered, Mode 1 is automatically selected.
- After Test mode is entered, it cannot be exited until the unit is turned OFF



Test Mode: CANCEL

POWER OFF



3. Test Mode

① Mode 1: Version Confirmation Mode

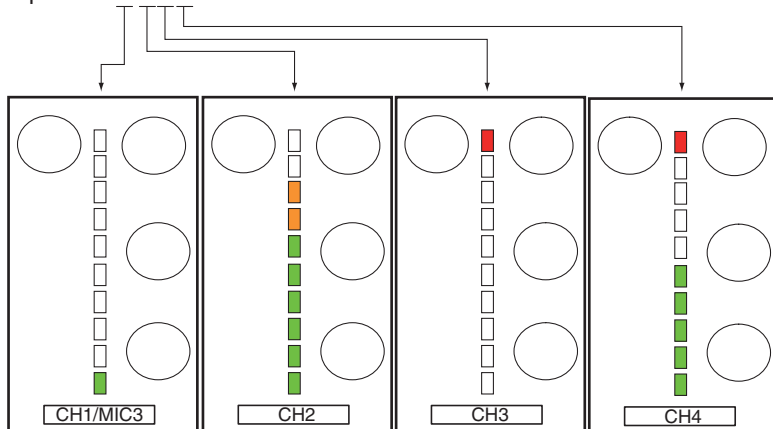
- The versions of the main microcomputer, submicrocomputer, DSP program, DSP data, FPGA, and T-USB can be confirmed.
- Six types of banks are provided for displaying the versions of the main microcomputer, submicrocomputer, DSP program, DSP data, FPGA, and T-USB.

● Version No. display

The version information is displayed, using the Level Meter LEDs for each channel. The four-digit version data are indicated with the Level Meter LEDs for CH1 to CH4 in order, and the number of LEDs lit denotes the number of each digit.

Note: A number larger than 0xA is expressed with the top (10th) LED lit together with the number of LEDs lit from the bottom.

Example: Ver 1.8AF



● How to switch the version data display for each IC

To switch the version information display for the main microcomputer, submicrocomputer, DSP program, DSP data, FPGA, and T-USB, use the TALK OVER ON/OFF, MIC EFFECT, and MIC 1 ON buttons

Button Name	IC Name	Remarks
TALKOVER ON/OFF	Microcomputer	
REVERB	Submicrocomputer	
ECHO+VERB	DSP (program)	
OCTAVER	DSP (data)	
PITCH	FPGA	
MIC1 ON	T-USB	

Note:

With the default setting, the TALK OVER ON/OFF button, four MIC EFFECT buttons, and MIC 1 ON button are lit to indicate that these buttons can be used for switching.

② Mode 2 : All LED "OFF" Mode

The mode that all LED turns off the light.

③ Mode 2 : All LED "ON" Mode

The mode which all LED lights.

A ④ Mode 4: Key Operation Test Mode

- While a self-illumination key is held pressed, the corresponding LED is lit.
At the same time, it is possible to confirm if the MIC LEVEL LEDs are lit.

LED TABLE

Buttons	Lighting LED		Remarks
TALK OVER ON/OFF	TALK OVER ON/OFF LED		
REVERB	REVERB		
ECHO+VERB	ECHO+VERB		
OCTAVER	OCTAVER		
PITCH	PITCH		
MIC1 ON	MIC1 ON LED		As default, the MIC LEVEL LEDs are lit in green. Green -> Red -> Yellow
	MIC1 LEVEL LED light		
MIC2 ON	MIC2 ON LED		As default, the MIC LEVEL LEDs are lit in green. Green -> Red -> Yellow
	MIC2 LEVEL LED light		
CH1 FADER START	CH1 FADER START LED		Two LED lights.
	CH1 LEVEL METER LED	0 dB	
CH2 FADER START	CH2 FADER START LED		Two LED lights.
	CH1 LEVEL METER LED	0 dB	
CH1 CUE	CH1 CUE LED		
CH2 CUE	CH2 CUE LED		
CH3 CUE	CH3 CUE LED		
CH4 CUE	CH4 CUE LED		
MASTER CUE	MASTER CUE LED		
ZONE CUE	ZONE CUE LED		
ZONE ON	ZONE ON LED		
SOUND MAXIMIZER ON/OFF	SOUND MAXIMIZER ON/OFF LED		
SEND&RETURN ON/OFF	SEND&RETURN ON/OFF LED		
AUTO STANDBY	AUTO STANDBY		Only for the EUP type. Two LED lights.
	MST LEVEL LED	14 dB	

⑤ Mode 5: Select SW Operating Test Mode

Switch		Lighting LED		Remarks
TALK OVER	NORMAL		REVERB	
	ADVANCE		ECHO+VERB	
MIC1	MASTER	CH1 Level Meter LED	0 dB	
	BOTH		-2 dB	
	ZONE		-4 dB	
MIC2	MASTER	CH2 Level Meter LED	0 dB	
	BOTH		-2 dB	
	ZONE		-4 dB	
CH1 CD/DIGITAL1/MIC3	CD	CH1 Level Meter LED	14 dB	
	DIGITAL1		9 dB	
	MIC3		5 dB	
CH2 CD/DIGITAL2/USB1	CD	CH2 Level Meter LED	14 dB	
	DIGITAL2		9 dB	
	USB1		5 dB	
CH3 CD/LINE/USB2	CD	CH3 Level Meter LED	14 dB	
	LINE		9 dB	
	USB2		5 dB	
CH4 CD/LINE/USB3	CD	CH4 Level Meter LED	14 dB	
	LINE		9 dB	
	USB3		5 dB	
CH FADER Assign CH1	A	CH1 Level Meter LED	-7 dB	
	THRU		-10 dB	
	B		-15 dB	
CH FADER Assign CH2	A	CH2 Level Meter LED	-7 dB	
	THRU		-10 dB	
	B		-15 dB	
CH FADER Assign CH3	A	CH3 Level Meter LED	-7 dB	
	THRU		-10 dB	
	B		-15 dB	
CH FADER Assign CH4	A	CH4 Level Meter LED	-7 dB	
	THRU		-10 dB	
	B		-15 dB	
MIDI ON/OFF	OFF		MIC1 ON	
	ON		MIC2 ON	
CROSS FADER CURVE select SW	LEFT	MASTER Level Meter L	-7 dB	
	CENTER		-10 dB	
	RIGHT		-15 dB	
MONO/STEREO	MONO	MASTER Level Meter L	2 dB	
	STEREO		0 dB	
ZONE OUT SELECT	CH1	MASTER Level Meter R	-15 dB	
	CH2		-10 dB	
	CH3		-7 dB	
	CH4		-4 dB	
	MASTER		-2 dB	
	OFF		0 dB	
SEND & RETURN SELECTOR	CH1	ZONE Level Meter	-15 dB	
	CH2		-10 dB	
	CH3		-7 dB	
	CH4		-4 dB	
	MIC1		-2 dB	
	MIC2		0 dB	
	MIC1+2		2 dB	
	MASTER		5 dB	

⑥ Mode 6: Rotary Volume Confirmation Mode

- AD conversion values of the rotary variable controls on the operation panel can be confirmed with lighting of the Level Meter LEDs.
- As the Level Meter LEDs for each channel are used to indicate current values that can be altered with several variable controls, the variable controls are divided into 9 groups, according to sections.
- The details on how to switch sections and which LEDs are lit are described in the tables below.
The button used for selecting a section remains lit to indicate the current mode.

Use of this mode during repair

- Use for failure judgment of the rotary variable control.
- Use for operation check of the rotary variable control after its replacement.

● Group 1: TALK OVER section

TALK OVER ADJ, HEAD PHONE LEVEL

Group selection button: TALK OVER ON/OFF

Volume	Lighting LED	Remarks
TALK OVER ADJ	CH1 Level Meter LED	"MIN": Lights off, "MAX": Full Illuminate
HEAD PHONE LEVEL	CH2 Level Meter LED	"-∞": Lights off, "0": Full Illuminate

● Group 2: MIC1

MIC1 HI, MID, LOW, MIC1 EFFECT, MIC1 LEVEL

Group selection button: MIC1 ON

Volume	Lighting LED	Remarks
MIC1 HI	CH1 Level Meter LED	"-12": Lights off, "+12": Full Illuminate
MIC1 MID	CH2 Level Meter LED	"-12": Lights off, "+12": Full Illuminate
MIC1 LOW	CH3 Level Meter LED	"-12": Lights off, "+12": Full Illuminate
MIC1 EFFECT	CH4 Level Meter LED	"Low": Lights off, "Hi": Full Illuminate

● Group 3: MIC2

MIC2 HI, MID, LOW, MIC2 EFFECT, MIC2 LEVEL

Group selection button: MIC2 ON

Volume	Lighting LED	Remarks
MIC2 HI	CH1 Level Meter LED	"-12": Lights off, "+12": Full Illuminate
MIC2 MID	CH2 Level Meter LED	"-12": Lights off, "+12": Full Illuminate
MIC2 LOW	CH3 Level Meter LED	"-12": Lights off, "+12": Full Illuminate
MIC2 EFFECT	CH4 Level Meter LED	"Low": Lights off, "Hi": Full Illuminate

● Group 4: CH1

CH1 HI, MID, LOW

Group selection button: CUE1

Volume	Lighting LED	Remarks
CH1 HI	CH1 Level Meter LED	"-26": Lights off, "+6": Full Illuminate
CH1 MID	CH2 Level Meter LED	"-26": Lights off, "+6": Full Illuminate
CH1 LOW	CH3 Level Meter LED	"-26": Lights off, "+6": Full Illuminate

● Group 5: CH2

CH2 HI, MID, LOW

Group selection button: CUE2

Volume	Lighting LED	Remarks
CH2 HI	CH1 Level Meter LED	"-26": Lights off, "+6": Full Illuminate
CH2 MID	CH2 Level Meter LED	"-26": Lights off, "+6": Full Illuminate
CH2 LOW	CH3 Level Meter LED	"-26": Lights off, "+6": Full Illuminate

● Group 6: CH3

CH3 HI, MID, LOW

Group selection button: CUE3

Volume	Lighting LED	Remarks
CH3 HI	CH1 Level Meter LED	"-26": Lights off, "+6": Full Illuminate
CH3 MID	CH2 Level Meter LED	"-26": Lights off, "+6": Full Illuminate
CH3 LOW	CH3 Level Meter LED	"-26": Lights off, "+6": Full Illuminate

● Group 7: CH4

CH4 HI, MID, LOW

Group selection button: CUE4

Volume	Lighting LED	Remarks
CH4 HI	CH1 Level Meter LED	"-26": Lights off, "+6": Full Illuminate
CH4 MID	CH2 Level Meter LED	"-26": Lights off, "+6": Full Illuminate
CH4 LOW	CH3 Level Meter LED	"-26": Lights off, "+6": Full Illuminate

● Group 8: MASTER section

MASTER LEVEL, BALANCE, BOOTH MONITOR

Group selection button: MASTER CUE

Volume	Lighting LED	Remarks
MASTER LEVEL	CH1 Level Meter LED	"-∞": Lights off, "0": Full Illuminate
BALANCE	CH2 Level Meter LED	"L": Lights off, "R": Full Illuminate
BOOTH MONITOR	CH3 Level Meter LED	"-∞": Full Illuminate, "0": Lights off

● Group 9: ZONE, SOUND MAXIMIZER section

Group selection button: ZONE CUE

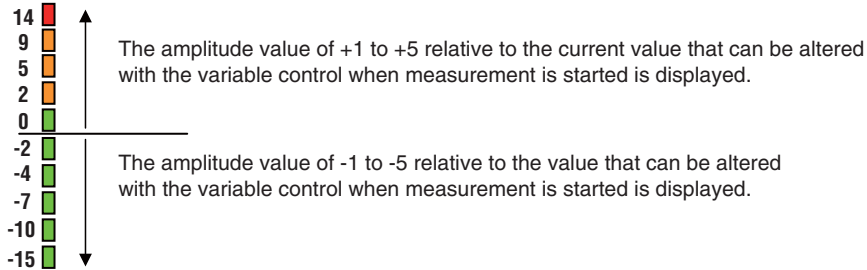
Volume	Lighting LED	Remarks
ZONE LEVEL	CH1 Level Meter LED	"-∞": Lights off, "0": Full Illuminate
CLARITY	CH2 Level Meter LED	"Low": Lights off, "Hi": Full Illuminate
DYNAMICS	CH3 Level Meter LED	"Low": Lights off, "Hi": Full Illuminate
SEND & RETURN LEVEL	CH4 Level Meter LED	"MIN": Lights off, "MAX": Full Illuminate

A ⑦ Mode 7: Confirmation of the amplitude value that can be altered with a rotary volume

- The maximum amplitude value of a signal that can be altered with a rotary variable control on the operation panel and which is to be AD-converted can be confirmed with lighting of the Level Meter LEDs.
- The value is expressed by the number of LEDs lit. To measure the value, set the rotary variable control whose signal you wish to measure to your desired position.
- Press the SEND & RETURN ON/OFF button to start measurement. Press the same button again to reset. During measurement, the maximum amplitude value remains displayed.
- The SEND & RETURN ON/OFF button is lit during measurement and goes dark when measurement is reset.

The details on the amplitude-value display are described below.

B Level Meter LED



For a value +5 or higher or -5 or smaller, the top or bottom LED, respectively, is lit.

- C
- As in Confirmation mode for values that can be altered with rotary variable controls (Mode 6), the variable controls are divided into 9 groups, according to sections, for LED displays. The correspondence between LED displays and the variable controls is the same as that in Confirmation mode for values that can be altered with rotary variable controls.

Use of this mode during repair

- Use for failure judgment of the rotary variable control. The possible symptoms are shown below. It may be judged as defective if the amplitude value exceeds +4 or -4. The variable control can be set to any position during measurement.
 - The sound volume change arbitrary.
 - Interrupted sound leakage occurs even if the sound volume is decreased to the minimum at the Master or ZONE.
 - The MIDI signal is output even if the variable control is not adjusted.
- Use for operation check of the rotary variable control after its replacement.

D ● Group 1: TALK OVER section

TALK OVER ADJ, HEAD PHONE LEVEL

Group selection button: TALK OVER ON/OFF

Volume	Lighting LED	Remarks
TALK OVER ADJ	CH1 Level Meter LED	
HEAD PHONE LEVEL	CH2 Level Meter LED	

● Group 2: MIC1

MIC1 HI, MID, LOW, MIC1 EFFECT, MIC1 LEVEL

Group selection button: MIC1 ON

Volume	Lighting LED	Remarks
MIC1 HI	CH1 Level Meter LED	
MIC1 MID	CH2 Level Meter LED	
MIC1 LOW	CH3 Level Meter LED	
MIC1 EFFECT	CH4 Level Meter LED	

● Group 3: MIC2

MIC2 HI, MID, LOW, MIC2 EFFECT, MIC2 LEVEL

Group selection button: MIC2 ON

Volume	Lighting LED	Remarks
MIC2 HI	CH1 Level Meter LED	
MIC2 MID	CH2 Level Meter LED	
MIC2 LOW	CH3 Level Meter LED	
MIC2 EFFECT	CH4 Level Meter LED	

● Group 4: CH1

CH1 HI, MID, LOW

Group selection button: CUE1

Volume	Lighting LED	Remarks
CH1 HI	CH1 Level Meter LED	
CH1 MID	CH2 Level Meter LED	
CH1 LOW	CH3 Level Meter LED	

● Group 5: CH2

CH2 HI, MID, LOW

Group selection button: CUE2

Volume	Lighting LED	Remarks
CH2 HI	CH1 Level Meter LED	
CH2 MID	CH2 Level Meter LED	
CH2 LOW	CH3 Level Meter LED	

● Group 6: CH3

CH3 HI, MID, LOW

Group selection button: CUE3

Volume	Lighting LED	Remarks
CH3 HI	CH1 Level Meter LED	
CH3 MID	CH2 Level Meter LED	
CH3 LOW	CH3 Level Meter LED	

● Group 7: CH4

CH4 HI, MID, LOW

Group selection button: CUE4

Volume	Lighting LED	Remarks
CH4 HI	CH1 Level Meter LED	
CH4 MID	CH2 Level Meter LED	
CH4 LOW	CH3 Level Meter LED	

● Group 8: MASTER section

MASTER LEVEL, BALANCE, BOOTH MONITOR

Group selection button: MASTER CUE

Volume	Lighting LED	Remarks
MASTER LEVEL	CH1 Level Meter LED	
BALANCE	CH2 Level Meter LED	
BOOTH MONITOR	CH3 Level Meter LED	

● Group 9: ZONE, SOUND MAXIMIZER section

Group selection button: ZONE CUE

Volume	Lighting LED	Remarks
ZONE LEVEL	CH1 Level Meter LED	
CLARITY	CH2 Level Meter LED	
DYNAMICS	CH3 Level Meter LED	
SEND & RETURN LEVEL	CH4 Level Meter LED	

⑧ Mode 8: Fader Test Mode

- Mode that confirms a value of each CH Fader and Cross Fader.

FADER	Lighting LED	Remarks
CH1 FADER	CH1 Level Meter LED	"0": Lights off, "10": Full Illuminate
CH2 FADER	CH2 Level Meter LED	"0": Lights off, "10": Full Illuminate
CH3 FADER	CH3 Level Meter LED	"0": Lights off, "10": Full Illuminate
CH4 FADER	CH4 Level Meter LED	"0": Lights off, "10": Full Illuminate
CROSS FADER	Master Level Meter L CH LED	"A": Full Illuminate, "B": Lights off

Use of this mode during repair

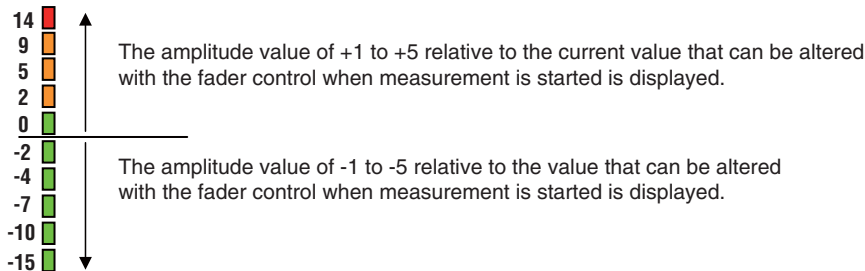
- Use for failure judgment of the fader.
- Use for operation check of the fader after its replacement.

⑨ Mode 9: Confirmation of the amplitude value of the fader

- The value is indicated by the number of LEDs lit. To measure the value, set the fader control whose signal you wish to measure to your desired position. Press the SEND & RETURN ON/OFF button to start measurement.
- Press the same button again to reset. During measurement, the maximum amplitude value remains displayed.
- The SEND & RETURN ON/OFF button is lit during measurement and goes dark when measurement is reset.

The details on the amplitude-value display are described below.

Level Meter LED



For a value +5 or higher or -5 or smaller, the top or bottom LED, respectively, is lit.

- The correspondence between LED displays and the fader/crossfader controls is the same as that in Confirmation mode for fader values.

FADER	Lighting LED	Remarks
CH1 FADER	CH1 Level Meter LED	
CH2 FADER	CH2 Level Meter LED	
CH3 FADER	CH3 Level Meter LED	
CH4 FADER	CH4 Level Meter LED	
CROSS FADER	Master Level Meter L CH LED	

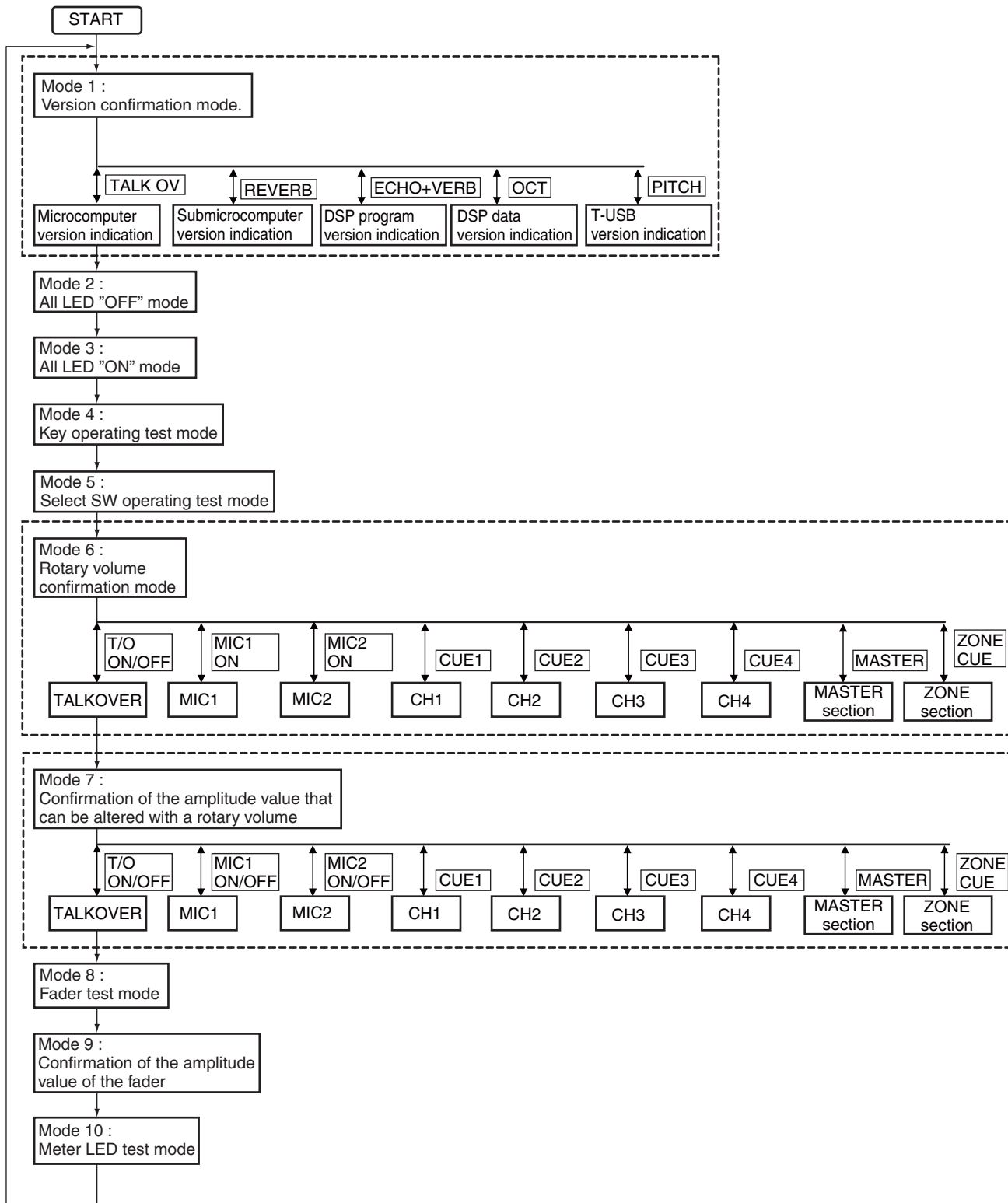
Use of this mode during repair

- Use for failure judgment of the fader. The possible symptoms are shown below. It may be judged as defective if the amplitude value exceeds +4 or -4. The variable control can be set to any position during measurement.
The sound volume change arbitrary.
Interrupted sound leakage occurs even if the sound volume is decreased to the minimum at the fader.
The MIDI signal is output even if the variable control is not adjusted.
- Use for operation check of the fader after its replacement.

⑩ Mode 10: Meter LED Test Mode

- Mode that confirms the brightness of Level Meter LED.
- If the CUE key is pressed, the LEDs for the corresponding channels of the Level Meter light up one by one, from the bottom upward, as follows:
 - The default all Lights off.
 - It is possible to return to all Lights off when pressing it 10 times again after it presses it (LED on lights most) and to repeat from the beginning.
 - To check lighting of the MASTER METER L and R LEDs, the MASTER CUE and ZONE CUE buttons, correspondingly, can be used.
 - To check lighting of the ZONE METER LEDs, the ZONE ON button can be used.

● Mode Transition Flow



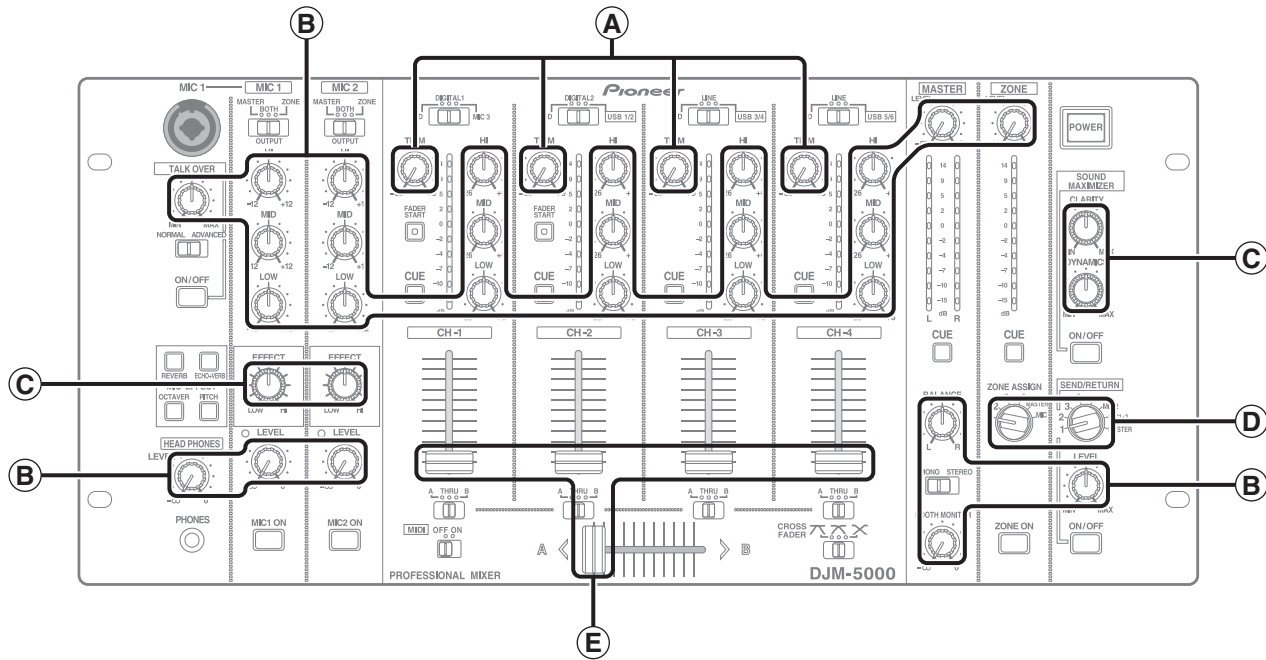
A

Note:

- (1) Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.
- (2) For performing the diagnosis shown below, the following jigs for service is required.
 - 29P FFC (GGP1174) x 2

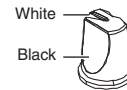
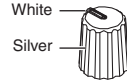
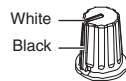
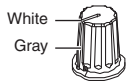
Knobs and Volumes Location

B

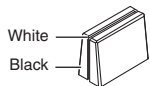


D

- A** Rotary Knob (Gray)
(DAA1249) ×4
- B** Rotary Knob (Black)
(DAA1248) ×27
- C** Rotary SW Knob (HM)
(DAA1256) ×4
- D** FX SEL Knob
(DAA1213) ×2



- ⑤ Slider knob (L2)
(DAC2371) ×5



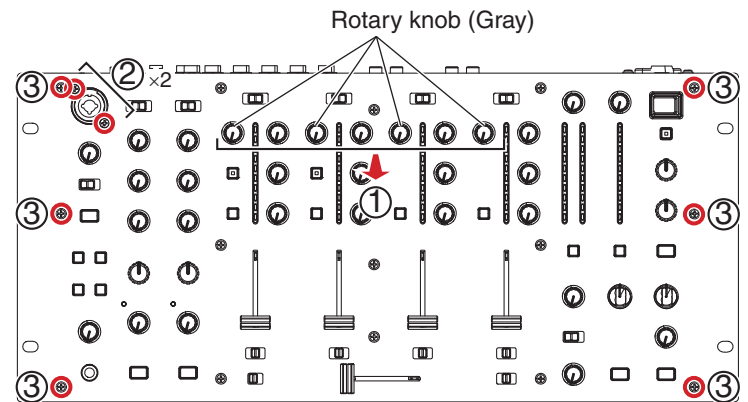
E

F

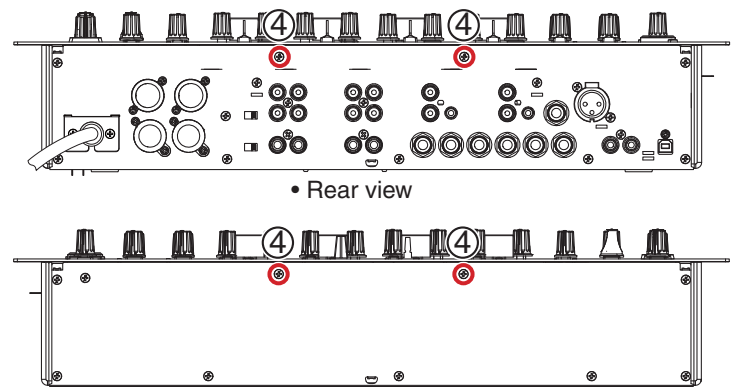
Disassembly

[1] Control Panel Section

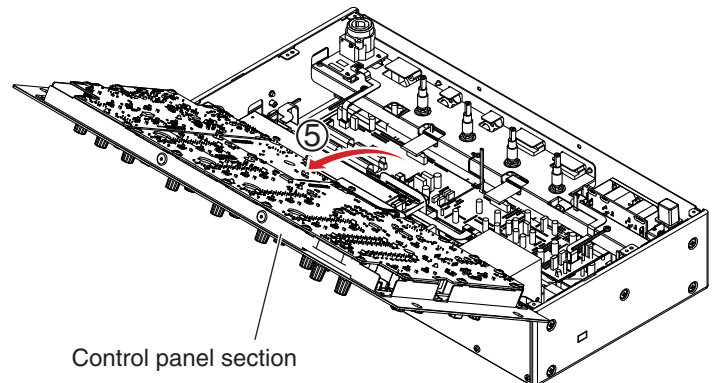
- (1) Remove the four rotary knobs (Gray).
- (2) Remove the two screws. (BPZ30P120FTB)
- (3) Remove the six screws. (CCZ30P060FTB)



- (4) Remove the four screws. (BBZ30P060FTB)



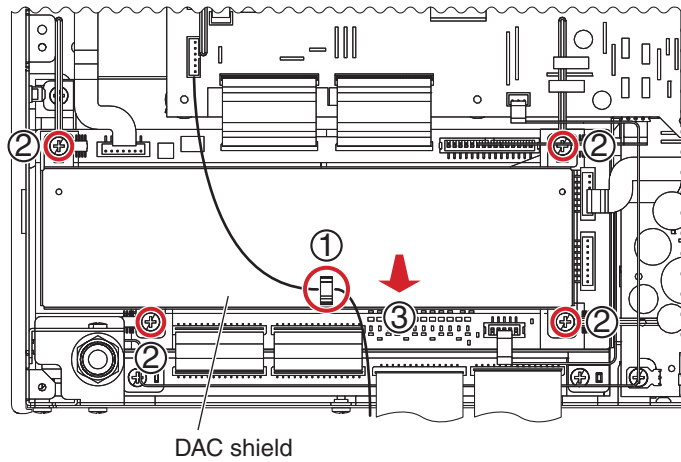
- (5) Remove the control panel section.



A [2] DAC Assy

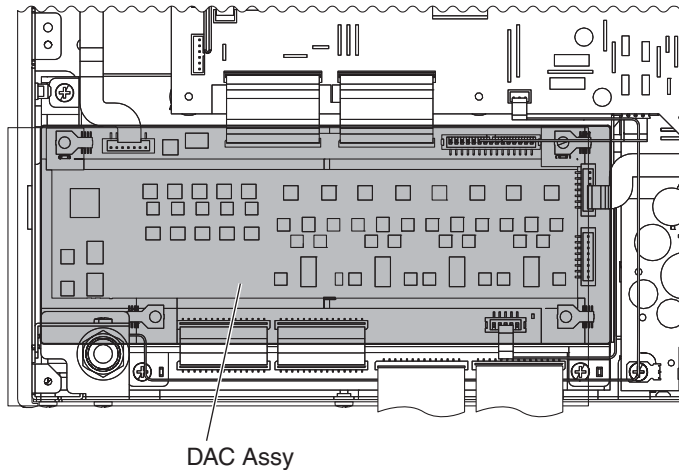
[2-1] DAC shield

- (1) Release the jumper wire.
- (2) Remove the four screws. (BBZ30P060FTB)
- (3) Remove the DAC shield.



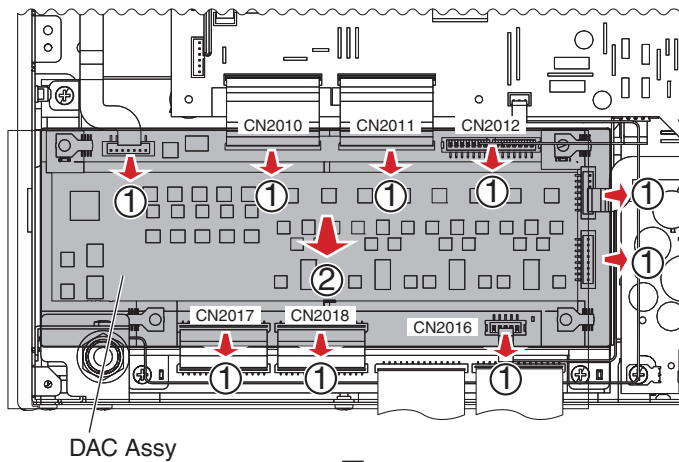
Diagnosis

You can measure the waveforms (No. 1 to 50) of the DAC Assy in this state.



[2-2] DAC Assy

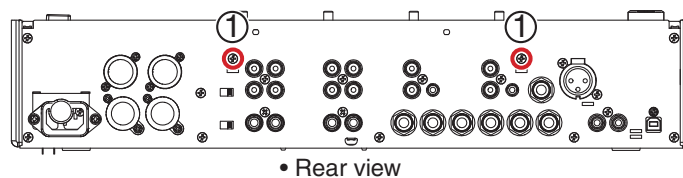
- (1) Disconnect the five connectors and four flexible cables.
- (2) Remove the DAC Assy.



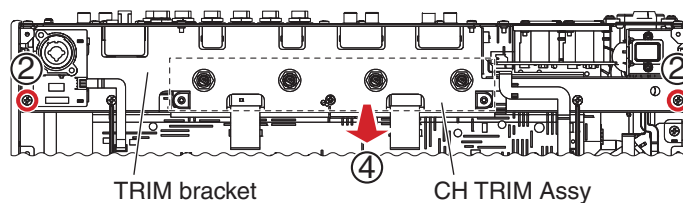
[3] CH TRIM and INPUT Assemblies

[3-1] CH TRIM Assy

- (1) Remove the two screws. (BBZ30P060FTB)

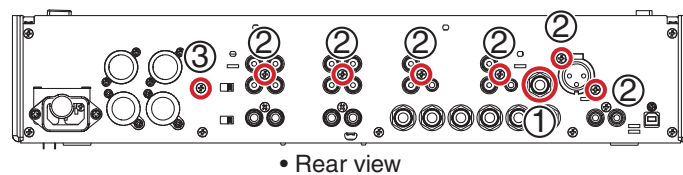


- (2) Remove the two screws. (BBZ30P060FTB)
 (3) Release the jumper wires, as required.
 (4) Remove the TRIM bracket with CH TRIM Assy.

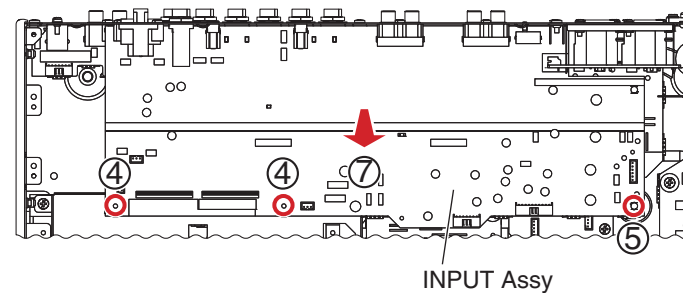


[3-2] INPUT Assy

- (1) Remove the nut and washer.
 (2) Remove the six screws. (BPZ30P080FTB)
 (3) Remove the screw. (BBZ30P060FTB)



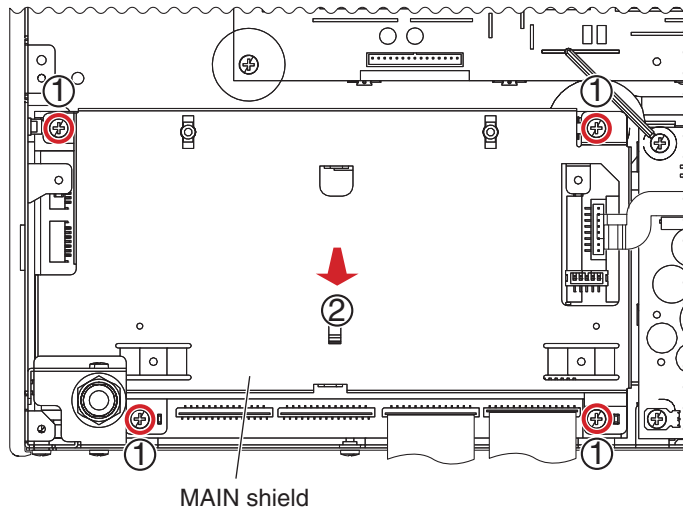
- (4) Remove the two spacers.
 (5) Remove the PC support.
 (6) Release the jumper wires, as required.
 (7) Remove the INPUT Assy.



A [4] MAIN Assy

[4-1] MAIN shield

- (1) Remove the four screws. (BBZ30P060FTB)
- (2) Remove the MAIN shield.

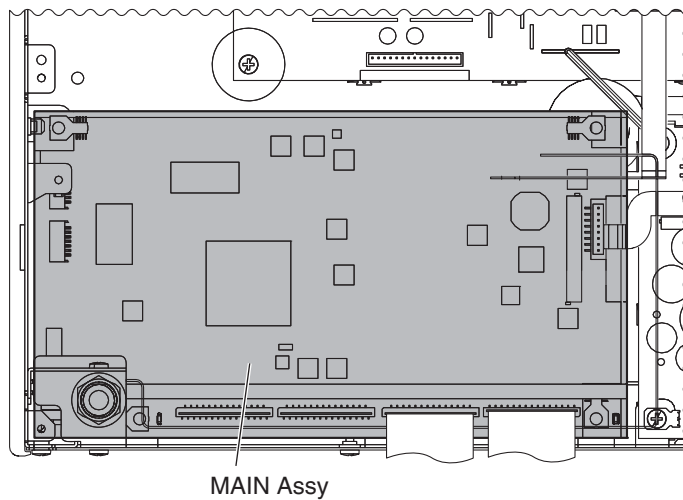


B

C

Diagnosis

You can measure the waveforms (No. 1 to 18 and 31) of the MAIN Assy in this state.

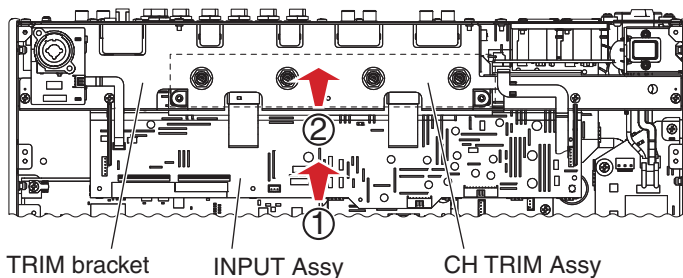


D

E

[4-2] Reassembling of INPUT and CH TRIM Assemblies

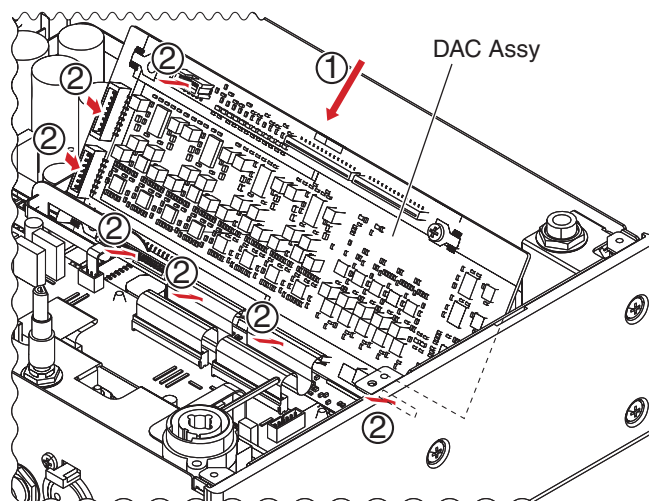
- (1) Reassemble the INPUT Assy.
- (2) Reassemble the TRIM bracket with CH TRIM Assy.



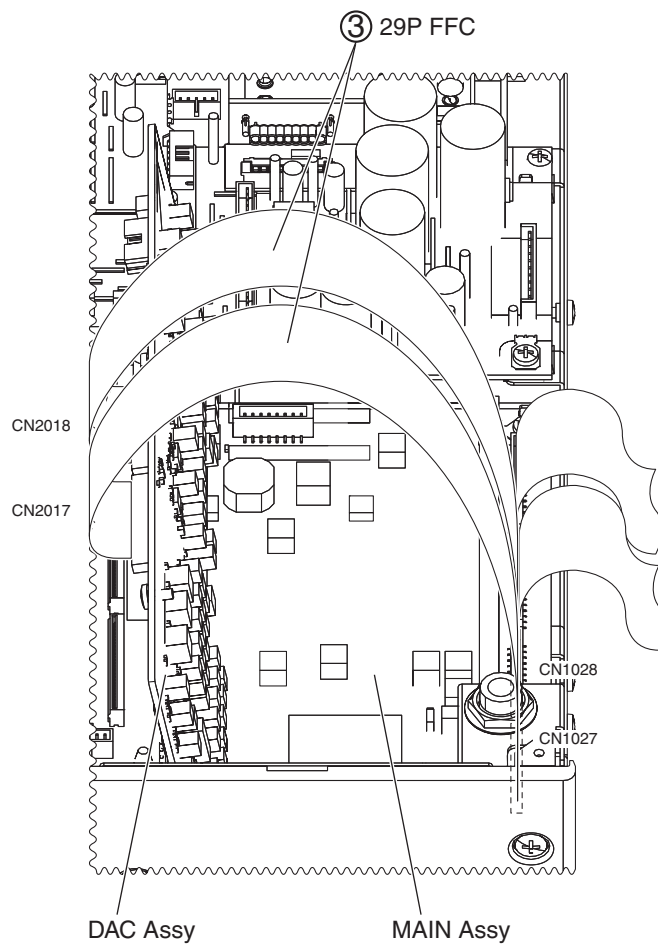
F

[4-3] Reassembling of DAC Assy

- (1) Reassemble the DAC Assy.
- (2) Reconnect the seven connectors.



- (3) Connect the two flexible cables for service.



Diagnosis

You can measure the waveforms (No. 19 to 30) of the MAIN Assy in this state.

8. EACH SETTING AND ADJUSTMENT

8.1 UPDATING OF THE FIRMWARE

A ■ **Purpose:** After replacement of the MAIN Assy, updating of the firmware to the latest version is required.

■ **Necessary software and tools**

- PC (With Windows 2000, or Windows XP)
GGD1530 (Dedicated cable for connector conversion)
GGF1605 (Interface device: MINICUBE2)
QB-Programmer (software for updating) Refer to the next page.
Parameter file (To be used with QB-Programmer)

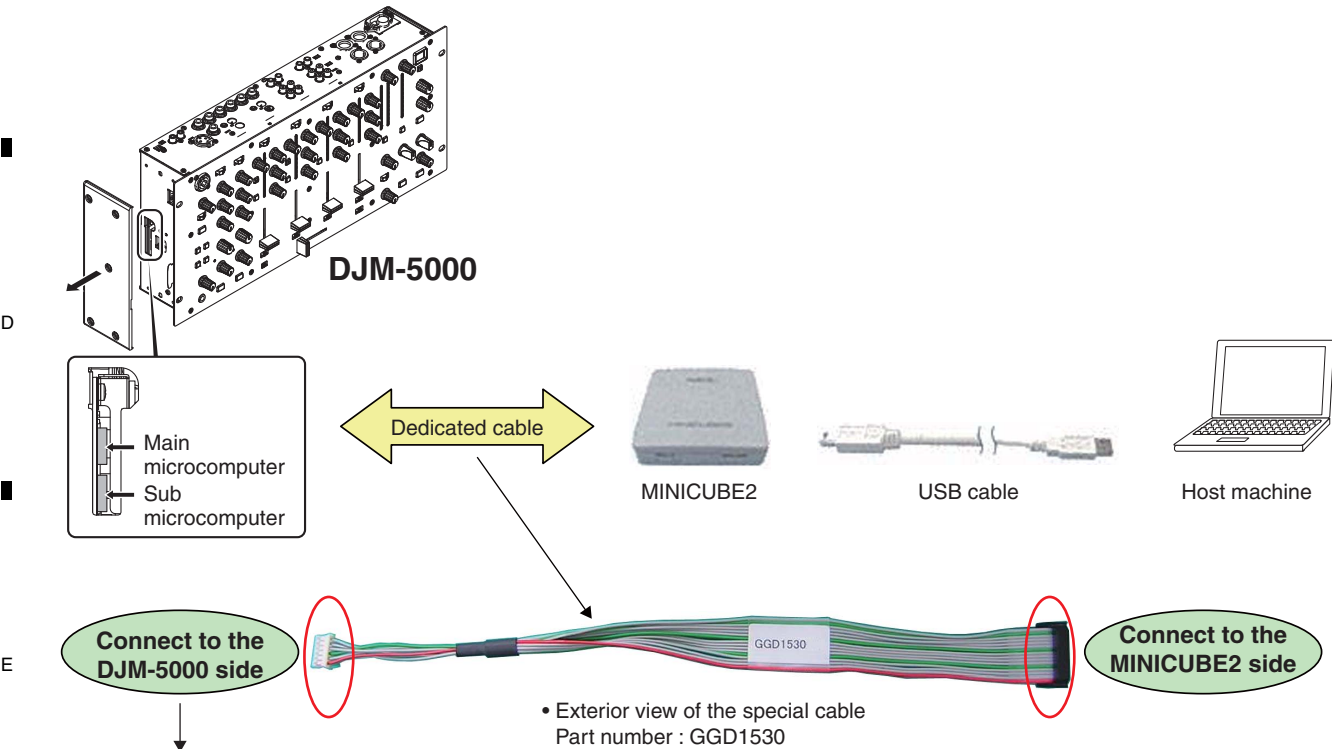
Firmware file

- You can obtain QB-Programmer and the parameter file from the website on the Internet. (See "How to Download the Update Software.")
- You can obtain the firmware file from Niis on the Internet.

Connect the MINICUBE2 to one of the connectors (for the main microcomputer and submicrocomupter) located on the left side panel of the DJM-5000 main unit, using the dedicated connecting cable. (The dedicated connecting cable is required to connect one of the 7-pin connectors for updating and debugging provided with the DJM-5000 with the 15-pin connector of the MINICUBE2.)

To connect the host machine on which the program for updating has been installed with the MINICUBE2, use the USB cable supplied with the DJM-5000.

C ■ **Connections**



The update target determines which terminal is used.

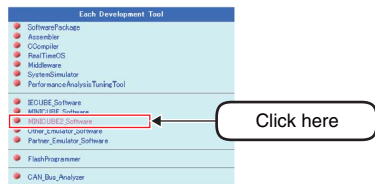
Update target	Terminal to connect with
Main microcomputer, DSP, TUSB	Upper side (Rear panel side)
Sub microcomputer	Under side (Front panel side)

* Refer to the section "8.2 How to update."

Note: Turn off the DJM-5000 before connecting it.

F

2. Click [MINICUBE2_Software] under "Each Development Tool".
- Selecting MINICUBE2 for downloading



3. From [Common] under "Product Series", click [QB-Programmer Vx.xx] under "Product Name Version (File Size)" to download.
Download file name: qbp_vx.xx_e.exe

Product Series	Product Name Version (File Size)	Release Date	Material
Common	MINICUBE2_Firmware V4.07 (47.737byte)	24-Apr-2009	-
		Firmware for MINICUBE2 Please use "MINICUBE2 diagnostic tool" about firmware update.	
	QB-Programmer V3.00 (34,036,600byte)	15-Jun-2009	
		The latest Programming GUI for MINICUBE2 Please confirm the supported latest target device information on the MINICUBE2 WEB site.	

* Click to start downloading

Click here

• Parameter file

1. Access the download site.
- Top page of the download site



2. Click [78K0R] under "Each Device Series".
- Selecting a parameter file for downloading



3. From [78K0R/KG3] under "Nickname", click either "UPD78F1164" or "UPD78F1166" under "Device Name".
 * Downloading either one does not change the file downloaded in step 4.

Nickname	Device Name
78K0R/KG3	UPD78F1162
	UPD78F1162A
	UPD78F1163
	UPD78F1163A
	UPD78F1164
	UPD78F1164A
	UPD78F1165
	UPD78F1165A
	UPD78F1166
	UPD78F1166A
	UPD78F1167
	UPD78F1167A
	UPD78F1168
	UPD78F1168A

Click one either

4. From [ParameterFile] under "Product Type", click [PRM78F1188 Vx.xx] under "Product Name Version (File Size)" to download.

Download file name : prm78f1188_vx.xx.exe

* Includes parameter files and documents for multiple models of the K0R microcomputer.

Product Type	Product Name Version (File Size)	Release Date	Material
DeviceFile	DF781188 V3.00 (811,224byte)	Complement	
		06-Nov-2006	
ParameterFile	PR5-78F1188 V1.01 (115,064byte)	30-May-2008	
	PRM78F1188 V1.01 (125,343byte)	30-May-2008	
		For PG-FP5	
		For PG-FP4/MINICUBE2	

Click here

* Click to start downloading

Setup instructions after download :

- QB-Programmer

Open the downloaded exe file and follow the instructions on-screen to install the software.

- Parameter file

Opening the downloaded exe files creates a folder named PRM78F1188_Vx.xx that contains compressed documentation files with explanations about the parameter files for various models of the K0R microcomputer. Use this information to select the appropriate parameter file for your model of the microcomputer to use with QB-Programmer.

Type of Microcomputer	Serial Number	Compatible Parameter File
Main Microcomputer	UPD781166	78F1166.prm
Sub microcomputer	UPD781164	78F1164.prm

8.2 HOW TO DSP/USB UPDATE

Procedures for Updating

1. Updating of the DSP program (only when necessary)
2. Updating of the DSP data (only when necessary)
3. Updating of the TUSB (only when necessary)
4. Updating of the microcomputer

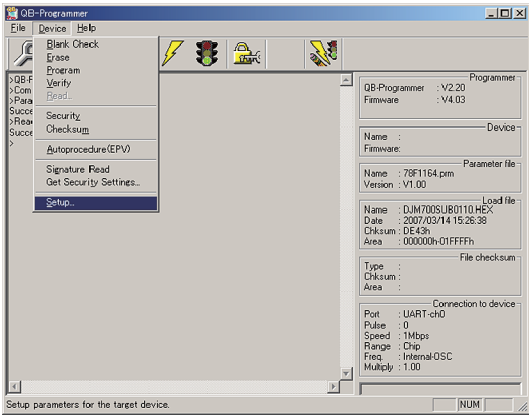
Note: After updating of the DSP and TUSB are completed, updating of the main microcomputer must be performed.

How to Update the Microcomputer

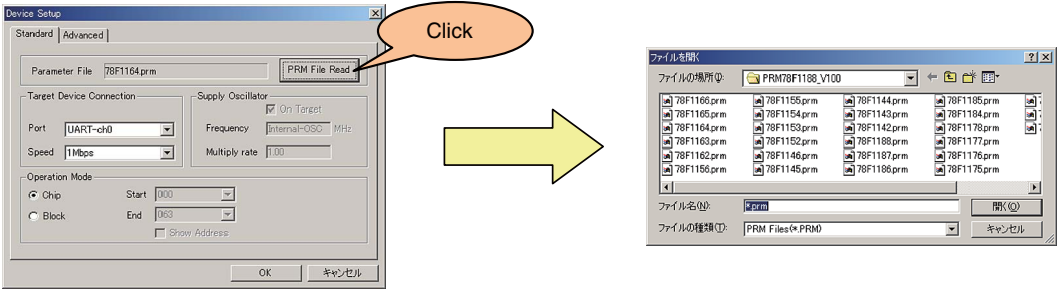
Note: Please turn power of DJM-5000 into OFF.

1. Start up QB-Programmer then perform the settings for the parameter file.
(The settings for the parameter file must be made only the first time. After the first startup, your settings will be stored in memory. Later change in the settings is possible.)

How to set the parameter file:
Click on "Device" then "Setup" to display the "Device Setup" screen.



Select the appropriate parameter file for the chip on the "Device Setup" screen from the "Parameter File" list on the "Standard" tab.



Click "OK" to finish the setup.

Parameter file for each microcomputer

Microcomputer	Parameter file	Chip model number
Main	78F1166.prm	μPD78F1166
Sub	78F1164.prm	μPD78F1164

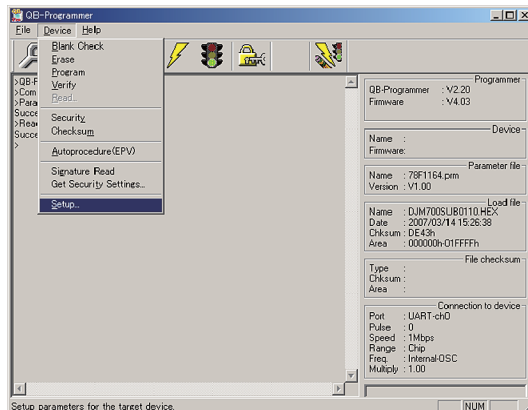
2. Set the command options after setting the parameter file.

(You only need to set the command options the first time you start the program *1)

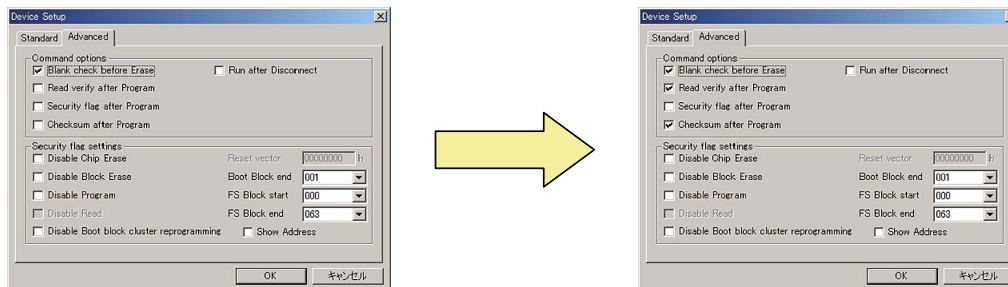
*1 Command option settings are cleared when you change the parameter file, making it necessary to reconfigure the settings.

Setup procedure:

Display the "Device Setup" screen by selecting "Setup" from the "Device" menu.



Under the "Advanced" tab, check the following check boxes under "Command options" on the "Device Setup" screen.



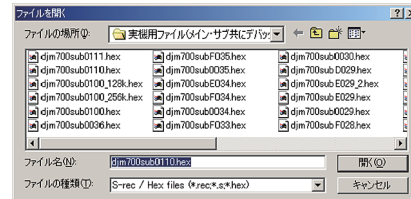
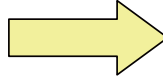
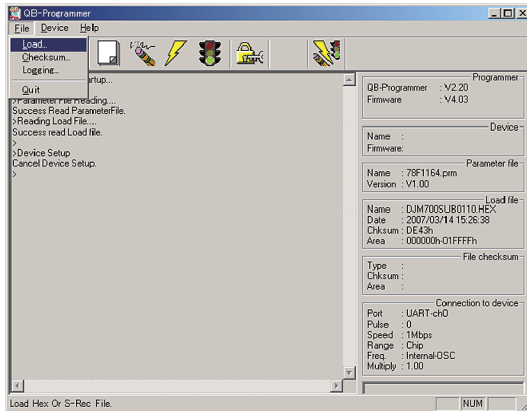
Click "OK" to finish the setup.

Items to check	Description of the command option
Blank check before erase	Checks if the chip is blank before erasure. (decides erasure is unnecessary if the area is blank.)
Read verify after Program	Automatically verifies newly downloaded firmware.
Checksum after Program	Automatically performs a checksum on newly downloaded firmware.

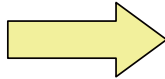
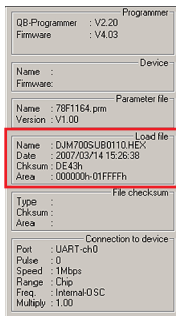
3. Load the downloaded firmware.

Setup procedure:

Select "Load" from the "File" menu, select the downloaded firmware from the location you saved it in and then click the "Open" button.



The loaded file is shown in the "Load file" box on the right-side of the QB-Programmer.



Display format:

Name : File name

Date : Last modified

Chksum : Checksum value (2 byte, hexadecimal display)

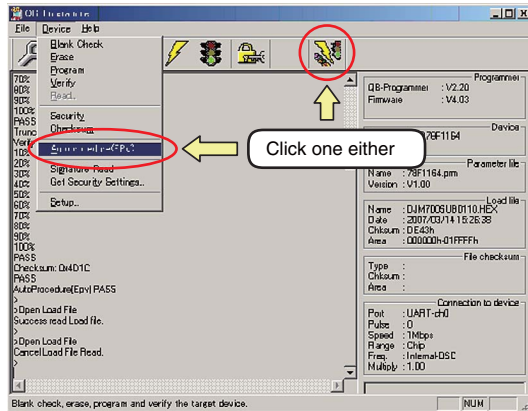
Area : 000000h-xxxxxxh

↑ The last address in the ROM area is
03FFFFh for the main microcomputer and
1FFFFh for the sub microcomputer

4. Download the new firmware to the microcomputer.

Setup procedure:

Select "Autoprocedure (EPV)" from the "Device" menu or click the "Autoprocedure" icon.

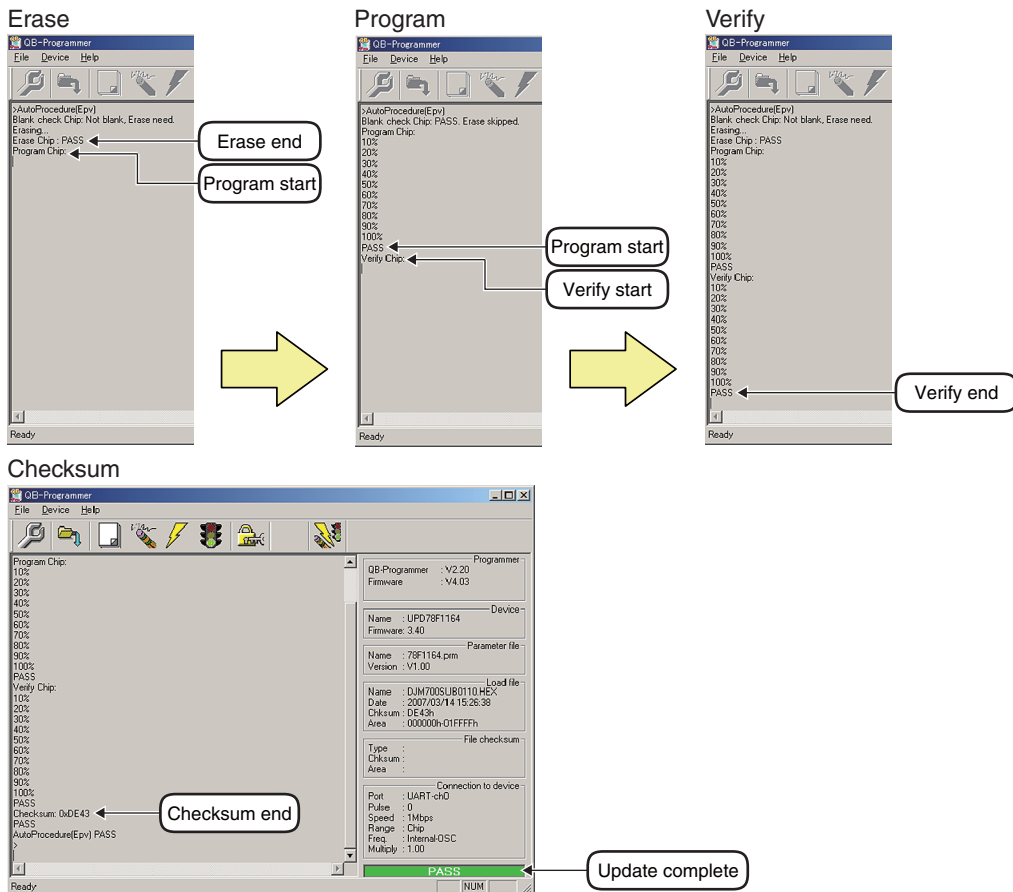


Update with Autoprocedure is performed in the following order.

- The old firmware is erased from the microcomputer (erase). If old firmware does not exist (blank), this step is skipped
- New firmware is downloaded (Program)
- Verification performed (Verify) *2
- Checksum performed (Checksum) *2

*2 Must be configured under command options.

However, you can still use the verify and Checksum functions.



5. Close the QB-Programmer and disconnect the host machine from the MINICUBE2 (USB).

Note: After updating is completed, enter Mode 1 (Confirmation of software version) of Test mode to check if the versions have been all updated.

How to Update the DSP Program/Data or the USB

Note: Please turn the power of DJM-5000 into OFF.

- Referring to “How to Update the Main Microcomputer,” download the firmware for updating the DSP program/data or the USB.

Firmware for updating

- With the downloaded files, only updating of the firmware for the DSP program/data or the USB can be performed.

Type of Firmware	Filename of the Downloaded File
Firmware for updating the DSP program	djm5000dsp_p_xxxx_1166.hex
Firmware for updating the DSP data	djm5000dsp_d_xxxx_1166.hex
Firmware for updating the USB program	djm5000tsub_xxxx_1666.hex

(xxxx denotes a version No.)

- After downloading of the firmware is completed, disconnect the MINICUBE2 from the DJM-5000 then turn the DJM-5000 ON.

Updating of the DSP program/data or the USB will be automatically started and completed.

Caution!!

If the DJM-5000 is on during the download, the DSP or the USB update is performed immediately after the MINICUBE2 is disconnected. (This is because the DJM-5000 is in reset status when connected to the host machine by the MINICUBE2 and reset status is cleared when the DJM-5000 is disconnected.)

In this situation, do not turn off the power until the following DSP or the USB update is completed.

Do not turn off the power during the update. Otherwise, the DSP or the USB may not restart.

Once updating is started, NEVER turn the unit off until updating of the DSP or the USB is completed, as described below.

If the unit is turned off during updating, the DSP or the USB may never operate again.

To avoid such risk, it is recommended to supply power for downloading from the host machine to the DJM-5000 via the MINICUBE2 when downloading the firmware for updating the DSP or the USB to the main microcomputer.

How to supply power during updating

(The power supplied via the MINICUBE2 can be used only for downloading.)

Example: Progress of updating (in a case of updating the DSP program)

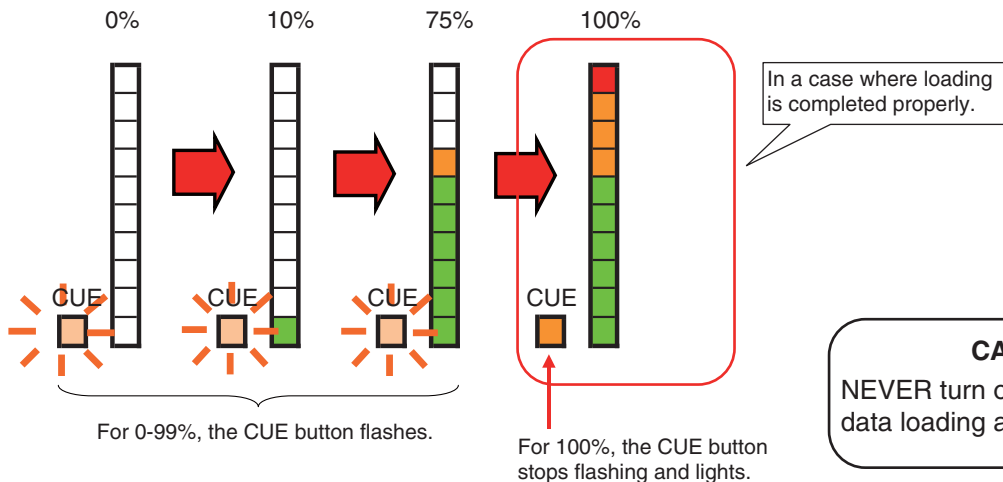
① While the data for updating the DSP program is being loaded

The percent (%) complete is displayed with the CH1 Level Meter, as shown below.

* The updating progress of the DSP data and USB program is indicated by the LEDs/buttons shown below.

Firmware type	Progress indication	Indication during writing	Updating completion indication (error indication)
Firmware for updating the DSP program	CH1 level meter & CH1 CUE	SOUND MAXIMIZER button	ZONE CUE
Firmware for updating the DSP data	CH1 level meter & CH2 CUE	SOUND MAXIMIZER button	ZONE CUE
Firmware for updating the USB program	CH1 level meter & CH3 CUE	SOUND MAXIMIZER button	ZONE CUE

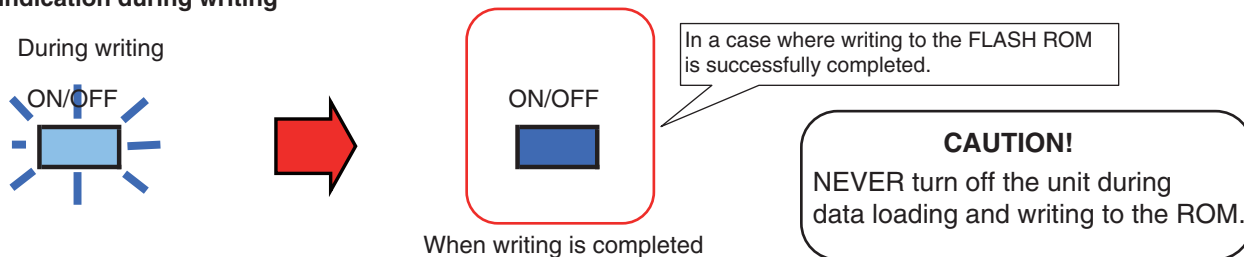
Percent complete



② During writing to the FLASH ROM

During writing to the FLASH ROM, the SOUND MAXIMIZER ON/OFF button flashes. When writing is completed, the button stops flashing and lights.

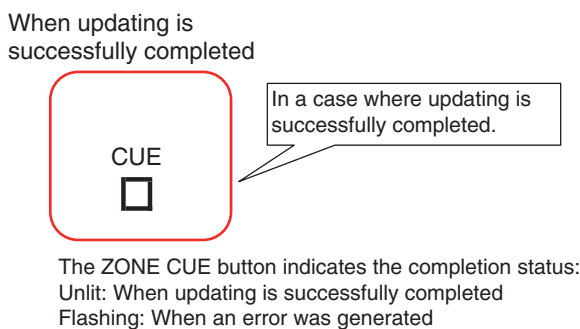
• Indication during writing



③ When updating is completed

You can turn the unit off after loading of the above-mentioned DSP updating data then writing to the FLASH ROM are successfully completed and you make sure that the CUE button is unlit. (If an error is generated during updating, the ZONE CUE button flashes.)

• Updating completion indication (error indication)



3. When successive updating of two or more programs among the DSP program, DSP data, and USB program are required, download the firmware for updating again to the PC and repeat the same updating procedures as mentioned above.

4. After updating of the DSP or the USB is completed, download the firmware for normal operations to the main microcomputer.

Note: With the firmware for updating the DSP or the USB loaded in the main microcomputer, normal operations of the DJM-5000 cannot be performed.

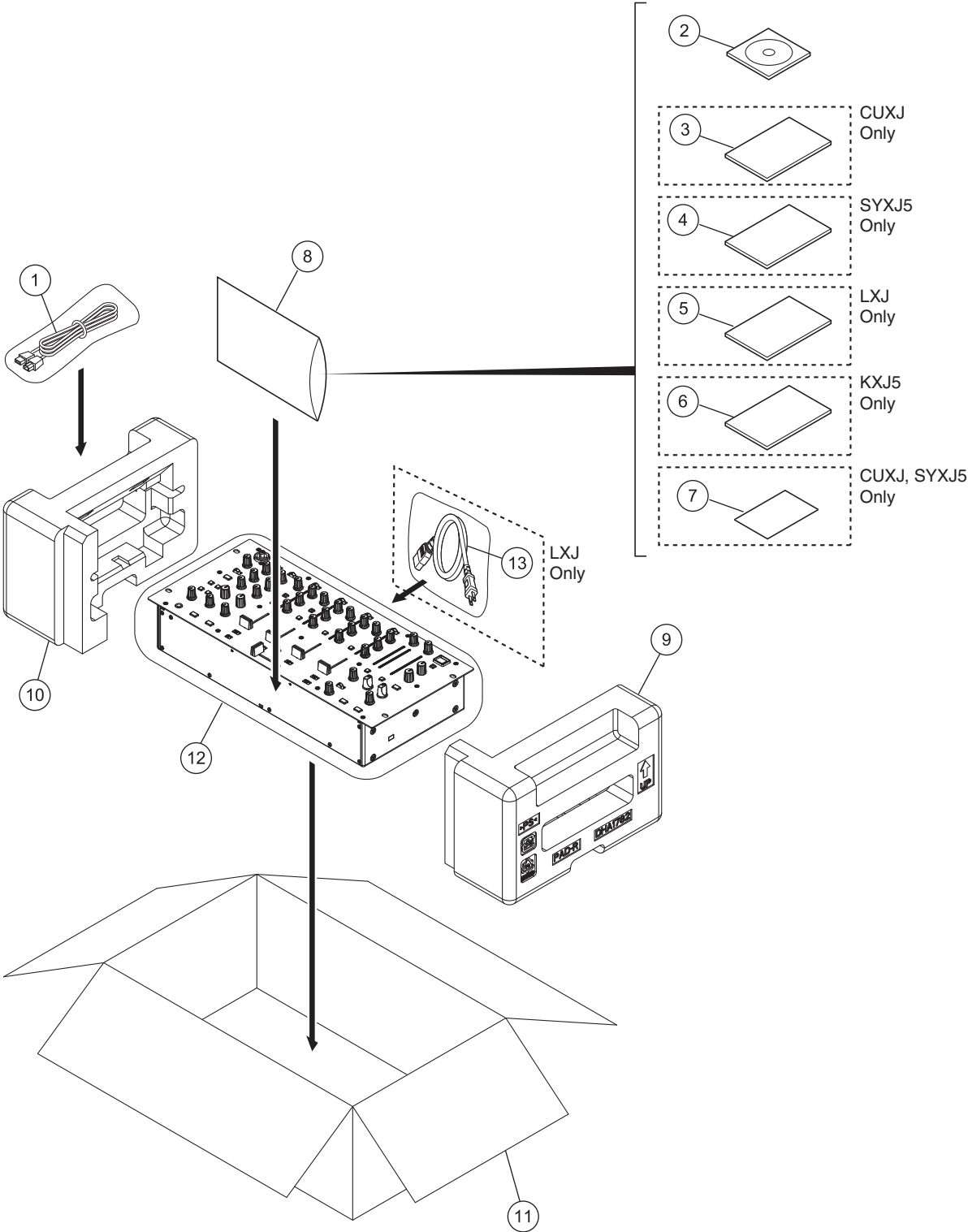
1234

9. EXPLODED VIEWS AND PARTS LIST

NOTES:

- Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
- The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to ▼ mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

9.1 PACKING SECTION



(1) PACKING SECTION PARTS LIST

<u>Mark</u>	<u>No.</u>	<u>Description</u>	<u>Part No.</u>
	1	USB Cable	DDE1128
	2	CD-ROM	DXX2596
	3	Operating Instructions	See Contrast table (2)
	4	Operating Instructions	See Contrast table (2)
	5	Operating Instructions	See Contrast table (2)
	6	Operating Instructions	See Contrast table (2)
NSP	7	Warranty Card	See Contrast table (2)
NSP	8	Polyethylene Bag (0.06 x 230 x 340)	AHG7117
	9	Pad R	DHA1782
	10	Pad L	DHA1783
	11	Packing Case	See Contrast table (2)
	12	Packing Sheet	RHC1023
⚠	13	Power Cable	See Contrast table (2)

(2) CONTRAST TABLE

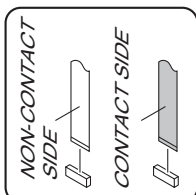
DJM-5000/CUXJ, SYXJ5, LXJ and KXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-5000 /CUXJ	DJM-5000 /SYXJ5	DJM-5000 /LXJ	DJM-5000 /KXJ5
NSP	3	Operating Instructions (En, Fr)	DRB1491	Not used	Not used	Not used
	4	Operating Instructions (En, Fr, De, It, Ni, Es, Ru)	Not used	DRB1492	Not used	Not used
	5	Operating Instructions (En, Es, Zhtw)	Not used	Not used	DRB1493	Not used
	6	Operating Instructions (Ko)	Not used	Not used	Not used	DRB1495
	7	Warranty Card	ARY7043	ARY7107	Not used	Not used
⚠	11	Packing Case	DHG2792	DHG2793	DHG2794	DHG2797
	13	Power Cable	Not used	Not used	ADG7062	Not used

9.2 EXTERIOR SECTION

Refer to
"9.4 CONTROL PANEL SECTION".

Refer to
"9.3 BOTTOM SECTION".



CUXJ, SYXJ5, KXJ5
Only

CUXJ
Only

LXJ
Only

DJM-5000

5

6

7

8

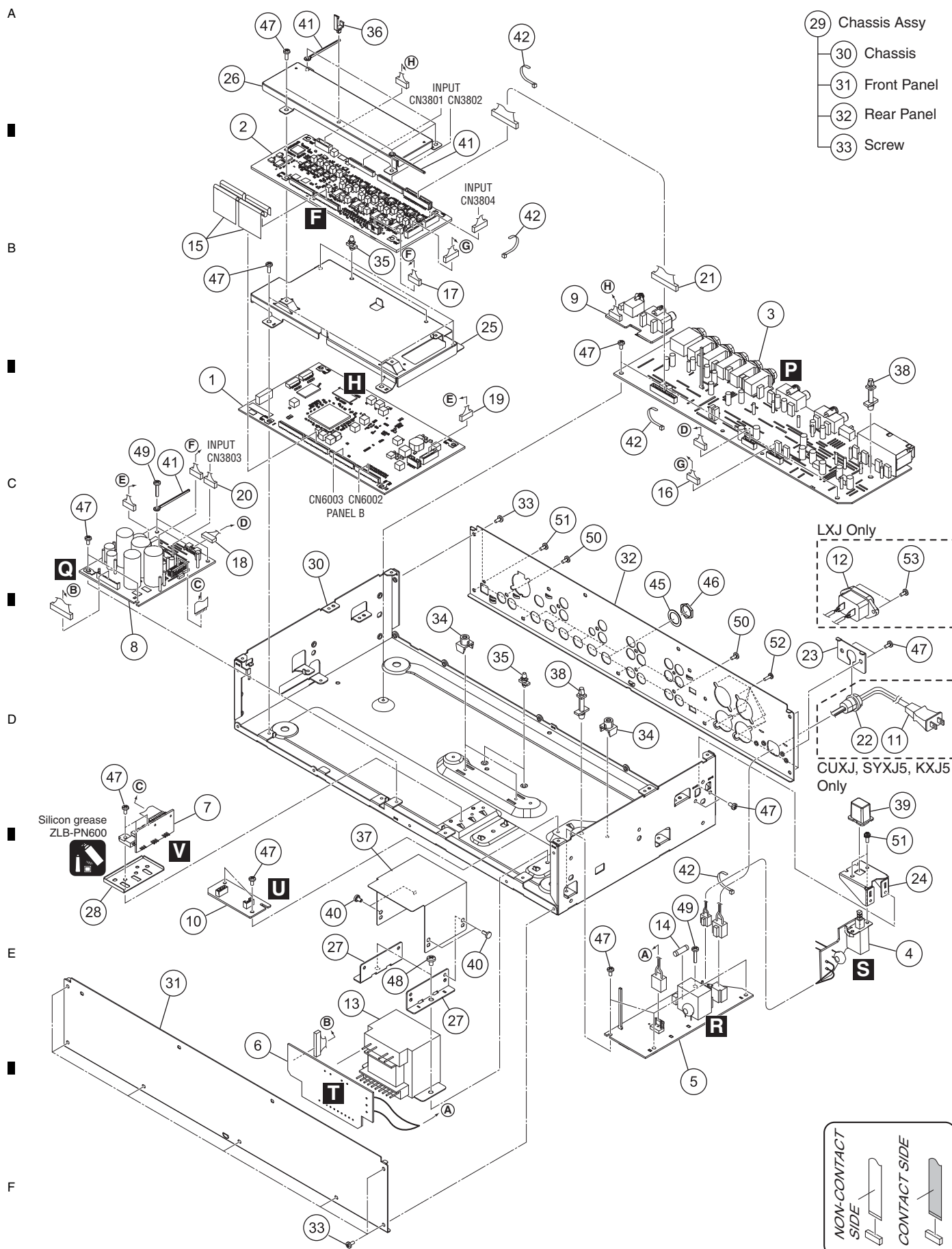
(1) EXTERIOR SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	INPUT Assy	DWX2953	NSP 21	Label	See Contrast table (2)
2	MIC 1 AMP Assy	DWX2955	NSP 22	Label	See Contrast table (2)
3	HP JACK Assy	DWX2957	NSP 23	Caution Label	See Contrast table (2)
4	ZONE JACK Assy	DWX3029	NSP 24	V Select Label	See Contrast table (2)
5	CH TRIM Assy	DWX2964	25	Recycling Label M	See Contrast table (2)
6	31P FFC	DDD1437	26	Washer	DEC2920
7	14P FFC	DDD1486	27	Flange Nut M9	DBN1008
8	Connector Assy 3P	DKP3841	28	Flange Nut M12	DBN1012
9	Connector Assy 7P	DKP3848	29	Nut M12	NKX2FNI
10	Connector Assy	PF03PP-D30	30	Screw	BBZ30P060FTB
11	Connector Assy 6P	PF06PP-D12	31	Screw	BBZ40P060FTB
12	HP Stay	DNF1830	32	Screw	BCZ30P140FTC
13	TRIM Bracket	DNF1833	33	Screw	BPZ30P080FTB
14	Extension Shaft	DNK4948	34	Screw	CCZ30P060FTB
15	Side Panel L	DNK5397	35	Screw	PPZ30P080FTB
16	Side Panel R	See Contrast table (2)	36	Screw	BPZ30P120FTB
17	Foot	REC-434	37	Locking Mini Clamp	DEC2439
18	Bottom Sheet A	DEC3203			
19	Rotary Knob (Gray)	DAA1249			
20	Cord Clamper	RNH-184			

(2) CONTRAST TABLE
DJM-5000/CUXJ, SYXJ5, LXJ and KXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-5000 /CUXJ	DJM-5000 /SYXJ5	DJM-5000 /LXJ	DJM-5000 /KXJ5
	16	Side Panel R	DNK5398	DNK5398	DNK5399	DNK5398
NSP	21	Label	DRW2392	DRW2393	Not used	DRW2397
NSP	22	Label	Not used	Not used	DRW2394	Not used
NSP	23	Caution Label	DRW1975	Not used	Not used	Not used
	24	V Select Label	Not used	Not used	DRW2400	Not used
NSP	25	Recycling Label M	Not used	Not used	Not used	DRW2307

9.3 BOTTOM SECTION



(1) BOTTOM SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.	
	1 MAIN Assy	DWX2952	31	Front Panel	DNB1183	
	2 DAC Assy	DWX3027	32	Rear Panel	See Contrast table (2)	A
	3 OUTPUT Assy	DWX2954	33	Screw	BBZ30P060FTB	
	4 PWR SW Assy	DWR1445	34	PCB Mold	AMR2534	
NSP	5 PRIMARY Assy	See Contrast table (2)	35	Spacer	DEC2369	
	6 TRANS Assy	See Contrast table (2)	36	Locking Mini Clamp	DEC2439	
	7 REG Assy	DWR1448	37	Barrier (Trans)	DEC3183	
	8 PWR SECONDARY Assy	DWR1449	NSP 38	PC Support	VEC1584	
	9 USB/DIG JACK Assy	DWX2959	39	POWER Knob	DAC2519	
	10 STANDBY Assy	DWX3028	40	Push Rivet	XEC3034	
⚠	11 AC Power Cord	See Contrast table (2)	41	Cord Clamper	RNH-184	B
	12 AC Inlet Assy	See Contrast table (2)	42	Binder (SKB-90BK)	ZCA-SKB90BK	
⚠	13 Power Transformer	See Contrast table (2)	43	•••••		
⚠	14 Fuse (T400 mA)	AEK1050	44	•••••		
	15 29P FFC	DDD1468	45	Washer	DEC2920	
	16 Connector Assy 8P	DKP3840	46	Nut M12	NKX2FNI	
	17 Connector Assy	PF05PP-S12	47	Screw	BSZ30P060FTC	
	18 Connector Assy	PF07PP-D07	48	Screw	BBZ40P060FTB	
	19 Connector Assy	PF08PP-S07	49	Screw	BCZ30P140FTC	
	20 Connector Assy	PF10PP-S10	50	Screw	BPZ30P080FTB	C
	21 Connector Assy	PF15PP-D20	51	Screw	PMH30P080FTB	
	22 Cord Stopper	See Contrast table (2)	52	Screw	PPZ30P080FTB	
	23 Power Cord Stay	DNF1857	53	Screw	See Contrast table (2)	
	24 POWER SW Stay	DNF1831				
	25 Main Shield	DNF1832				
	26 DAC Shield	DNF1835				
	27 Trans Stay	DNF1839				
	28 Heatsink	DNG1113				
	29 Chassis Assy	See Contrast table (2)				D
NSP	30 Chassis	DNA1364				

(2) CONTRAST TABLE

DJM-5000/CUXJ, SYXJ5, LXJ and KXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-5000 /CUXJ	DJM-5000 /SYXJ5	DJM-5000 /LXJ	DJM-5000 /KXJ5	
NSP	5	PRIMARY Assy	DWR1446	DWR1446	DWR1450	DWR1446	
	6	TRANS Assy	DWR1447	DWR1447	DWR1451	DWR1447	
⚠	11	AC Power Cord	VDG1075	VDG1061	Not used	XDG3053	
	12	AC Inlet Assy	Not used	Not used	DKP3843	Not used	
⚠	13	Power Transformer	DTT1226	DTT1225	DTT1225	DTT1225	
	22	Cord Stopper	CM-22C	CM-22B	Not used	CM-22B	
	29	Chassis Assy	DXB2035	DXB2047	DXB2048	DXB2051	
	32	Rear Panel	DNC1924	DNC1925	DNC1926	DNC1929	
	53	Screw	Not used	Not used	IBZ30P080FTB	Not used	

1 2 3 4

9.4 CONTROL PANEL SECTION

A

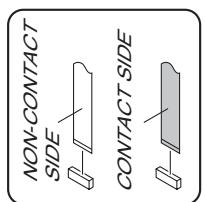
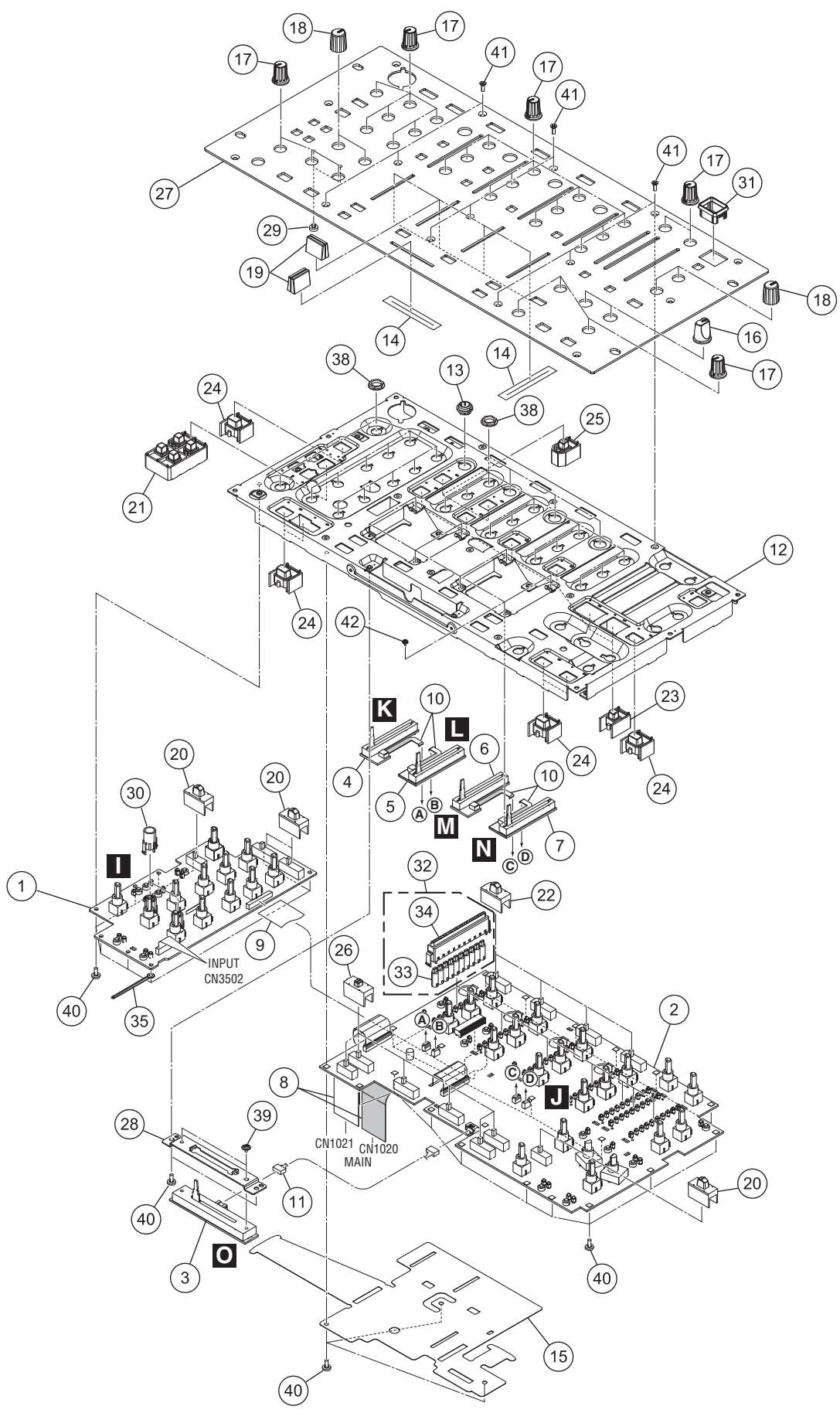
B

C

D

E

F



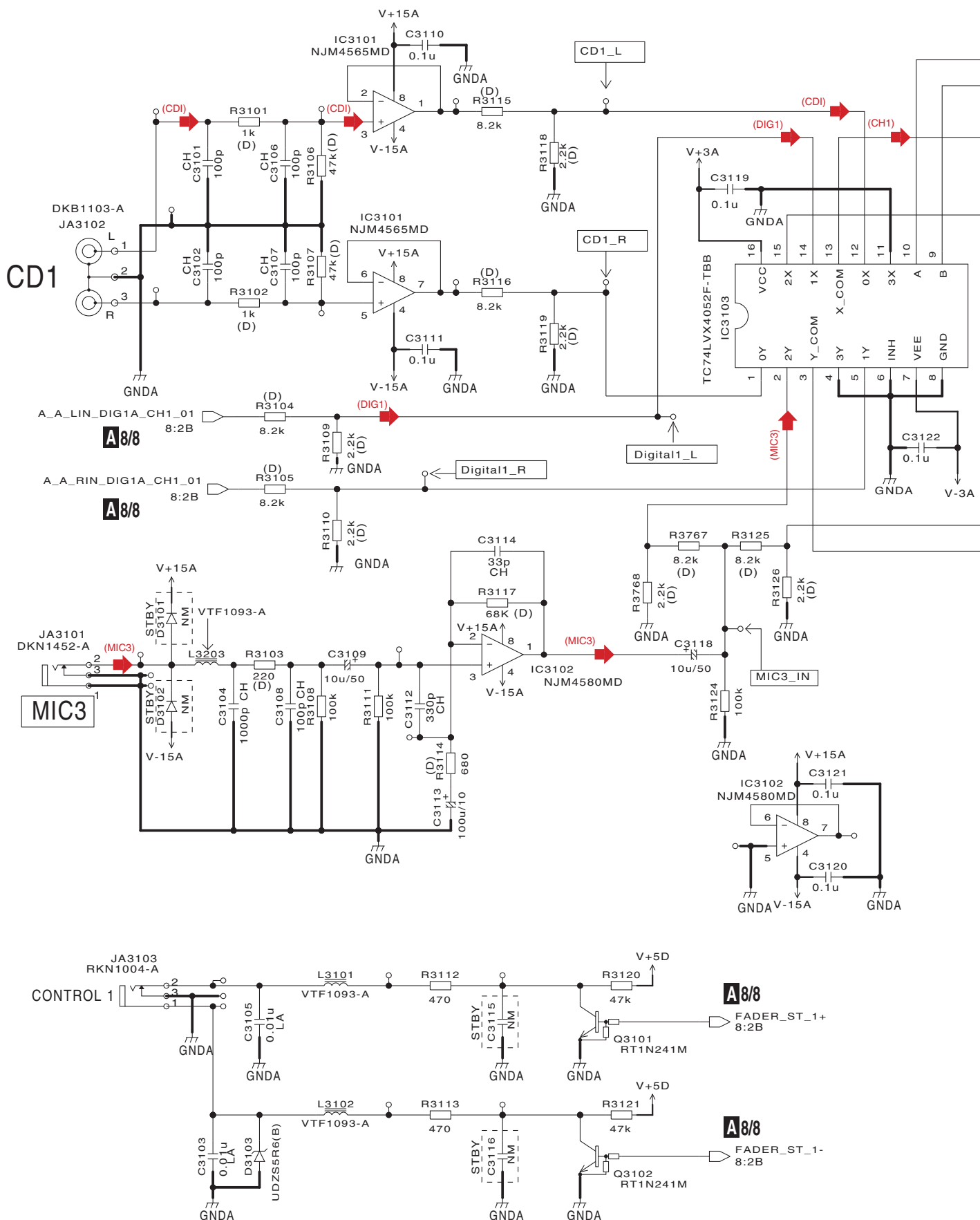
CONTROL PANEL SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	
1	PANEL A Assy	DWX2961	
2	PANEL B Assy	DWX2962	A
3	CRS FADER Assy	DWX2972	
4	CH1 FADER Assy	DWX2968	
5	CH2 FADER Assy	DWX2969	
6	CH3 FADER Assy	DWX2970	
7	CH4 FADER Assy	DWX2971	■
8	29P FFC	DDD1469	
9	22P FFC	DDD1471	
10	4P FFC	DDD1472	
11	Connector Assy	PF04PP-D10	B
12	Panel Stay	DNF1834	
13	Bushing	DNK4996	
14	Fader Packing	DEC2903	
15	Barrier (Panel)	DEC3175	
16	FX SEL Knob	DAA1213	■
17	Rotary Knob (Black)	DAA1248	
18	Rotary SW Knob (HM)	DAA1256	
19	Slider Knob (L2)	DAC2371	
20	Slide SW Cap	DAC2400	C
21	SET Knob (MIC EFX)	DAC2516	
22	Slide SW Cap (LINE)	DAC2517	
23	CUE Knob	DAC2521	
24	MIC Knob	DAC2522	
25	FS Knob	DAC2524	■
26	Slide SW Cap (B)	DAC2537	
27	Control Panel	DNB1167	
28	CRF Bracket	DNF1828	
29	Lens	DNK4532	
30	Lens Holder	DNK4533	D
31	Power Knob Guard	DNK5388	
32	Level Meter Assy	DXB2028	
33	Level Meter Lens	DNK4530	
34	Level Meter Cap	DNK5273	■
35	Cord Clamper	RNH-184	
36			
37			
38	Flange Nut M9	DBN1008	E
39	Screw	IMZ30P040FTC	
40	Screw	BBZ30P060FTB	
41	Screw	CCZ30P060FTB	
42	Screw	PMA20P040FTC	■

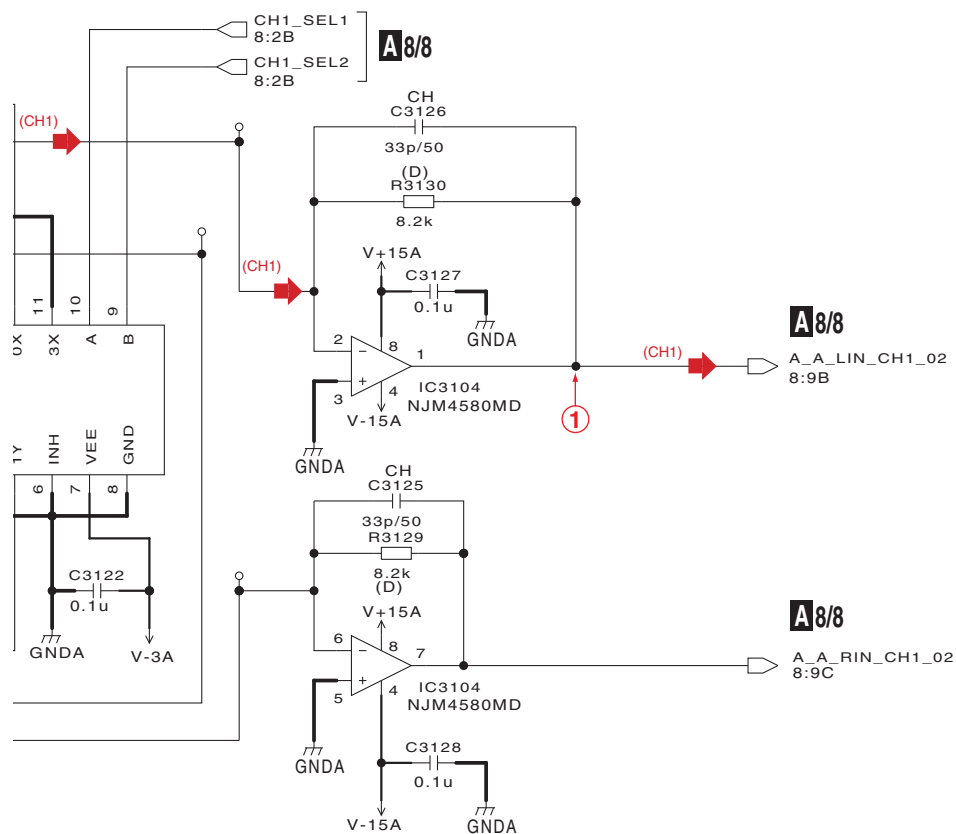
F

10.1 INPUT ASSY (1/8)

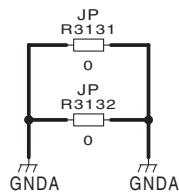
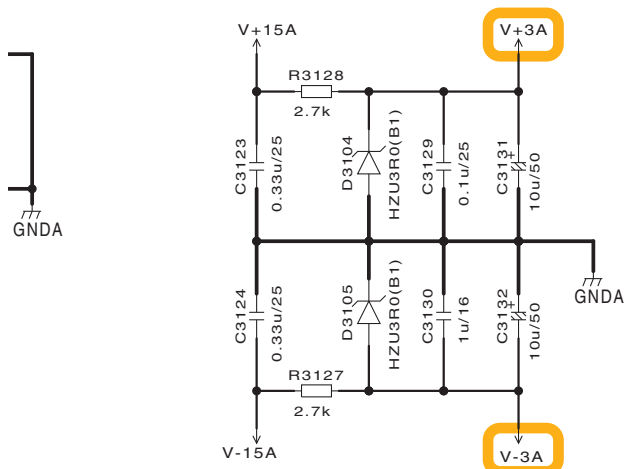
CD1



A1/8 INPUT ASSY (DWX2953)



CMOS IC POWER



IC3103: OUTPUT LOGIC

B	A	Active
L	L	CD
L	H	Digi
H	L	Mic
H	H	none

NOTES

STBY

is STBY

RS1/10SR****D

(D)

RS1/10SR***J

CKSRYB***

CCSRCH***

CFTLA***

CEAT***

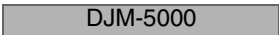
*A jumper purpose

JP RS1/10SR0R0J

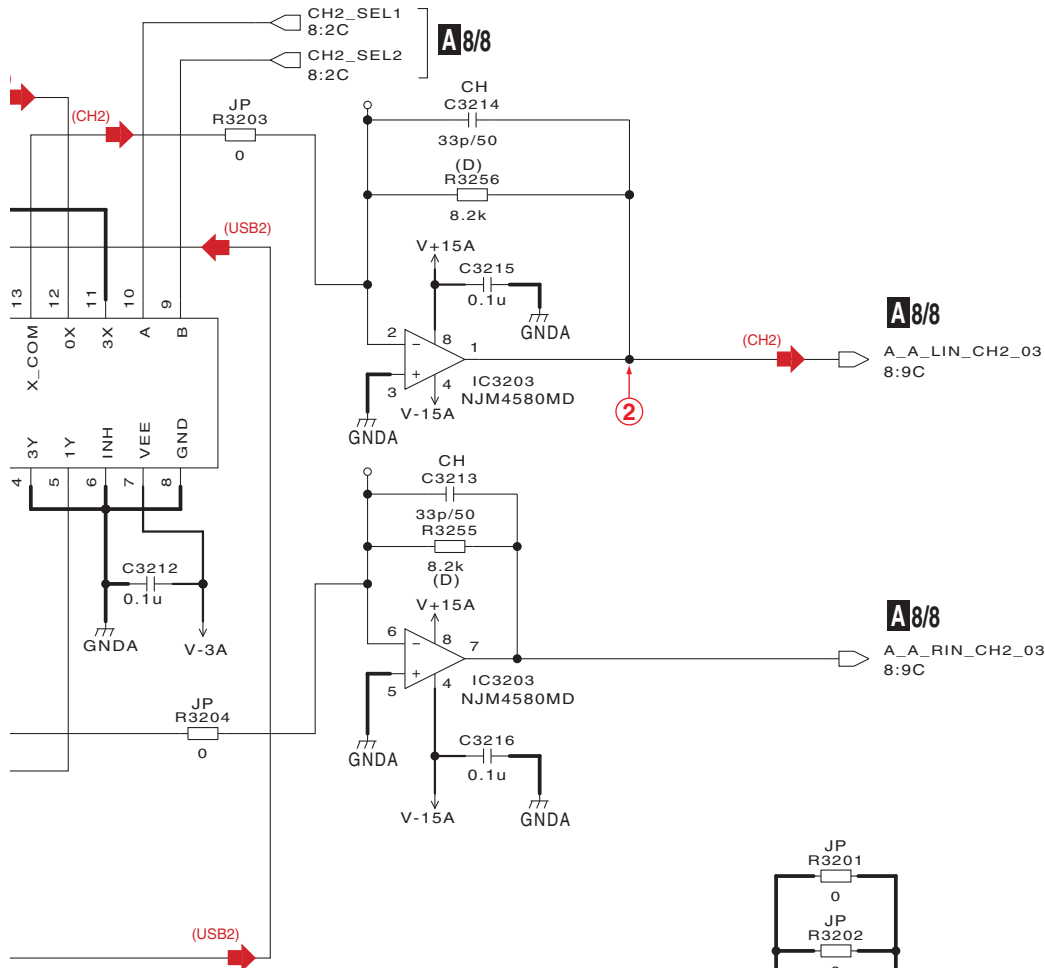
AUDIO SIGNAL ROUTE

- (CDI) : CD INPUT L CH SIGNAL
- (DIG1) : DIGITAL 1 L CH SIGNAL
- (MIC3) : MIC3 INPUT L CH SIGNAL
- (CH1) : CH1 L CH SIGNAL

A 2/8



A2/8 INPUT ASSY (DWX2953)



IC3202: OUTPUT LOGIC

B	A	Active
L	L	CD
L	H	Digi
H	L	USB
H	H	none

NOTES

STBY is STBY
NM RS1/10SR****D
(D) RS1/10SR***J
CKSR YB***
CH CCSRCH***
LA CFTLA***

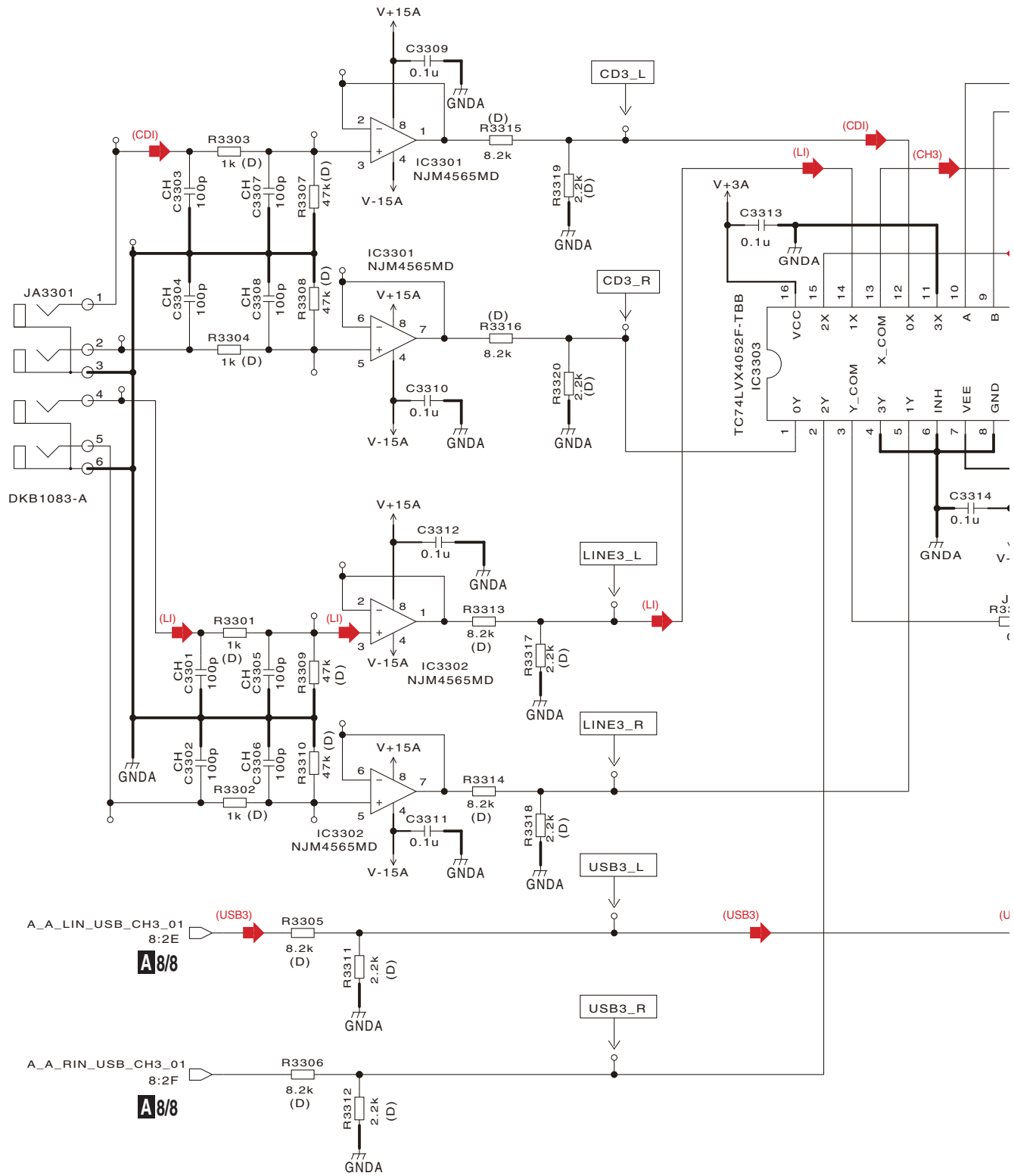
*A jumper purpose

JP RS1/10SR0R0J

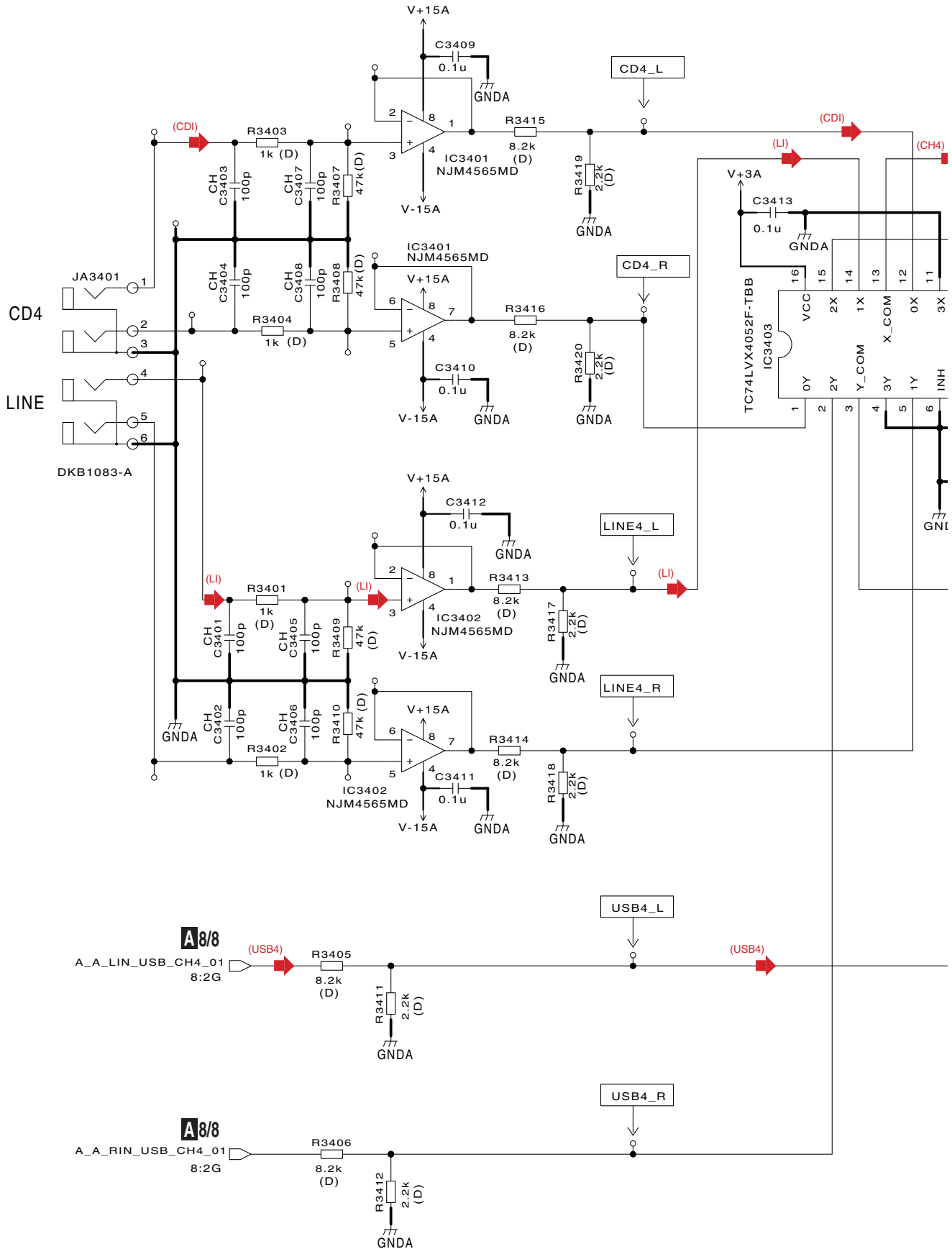
AUDIO SIGNAL ROUTE

(CDI) : CD INPUT L CH SIGNAL
(DIG2) : DIGITAL 2 L CH SIGNAL
(USB2) : USB CH2 L CH SIGNAL
(CH2) : CH2 L CH SIGNAL

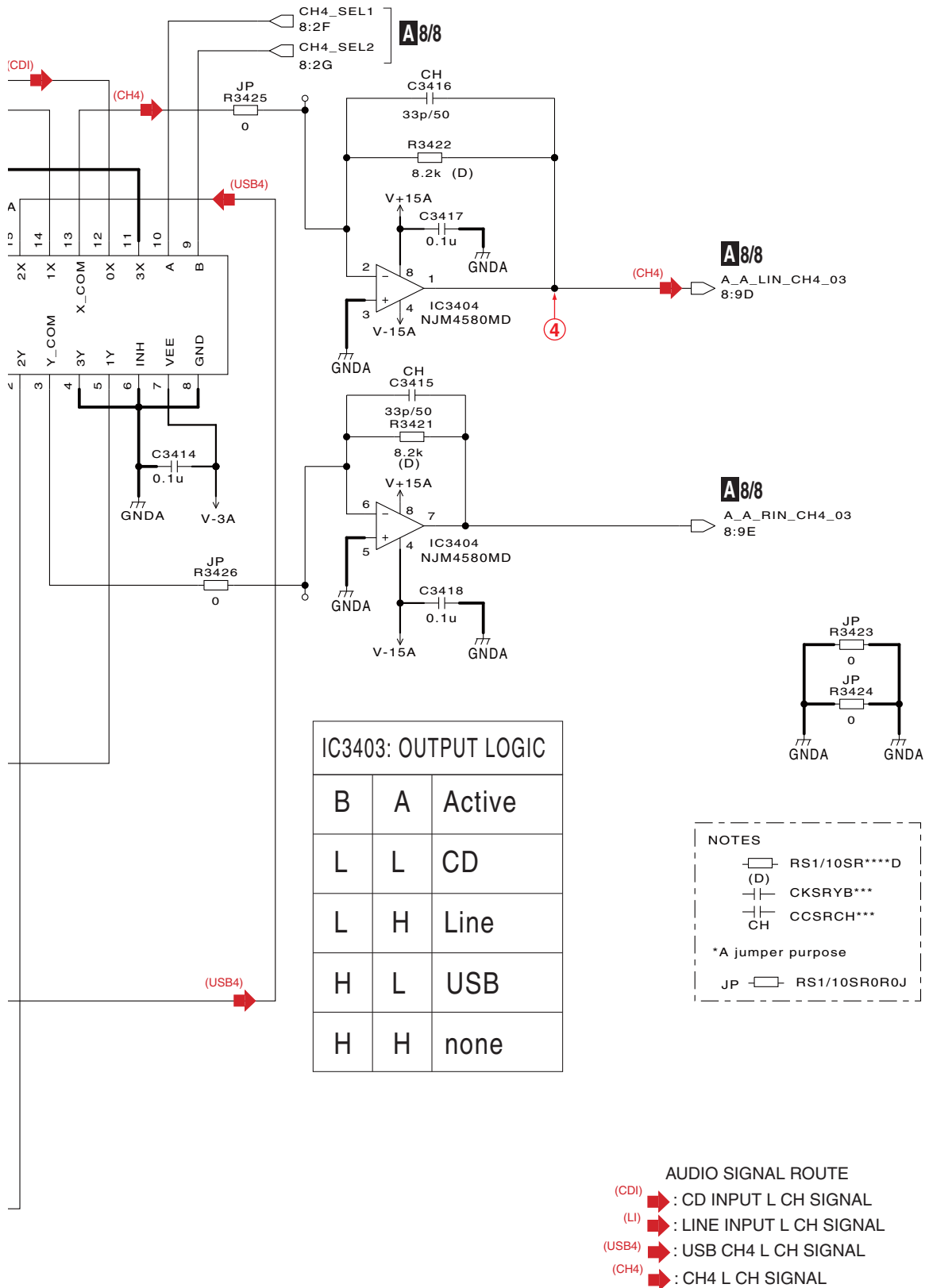
10.3 INPUT ASSY (3/8)



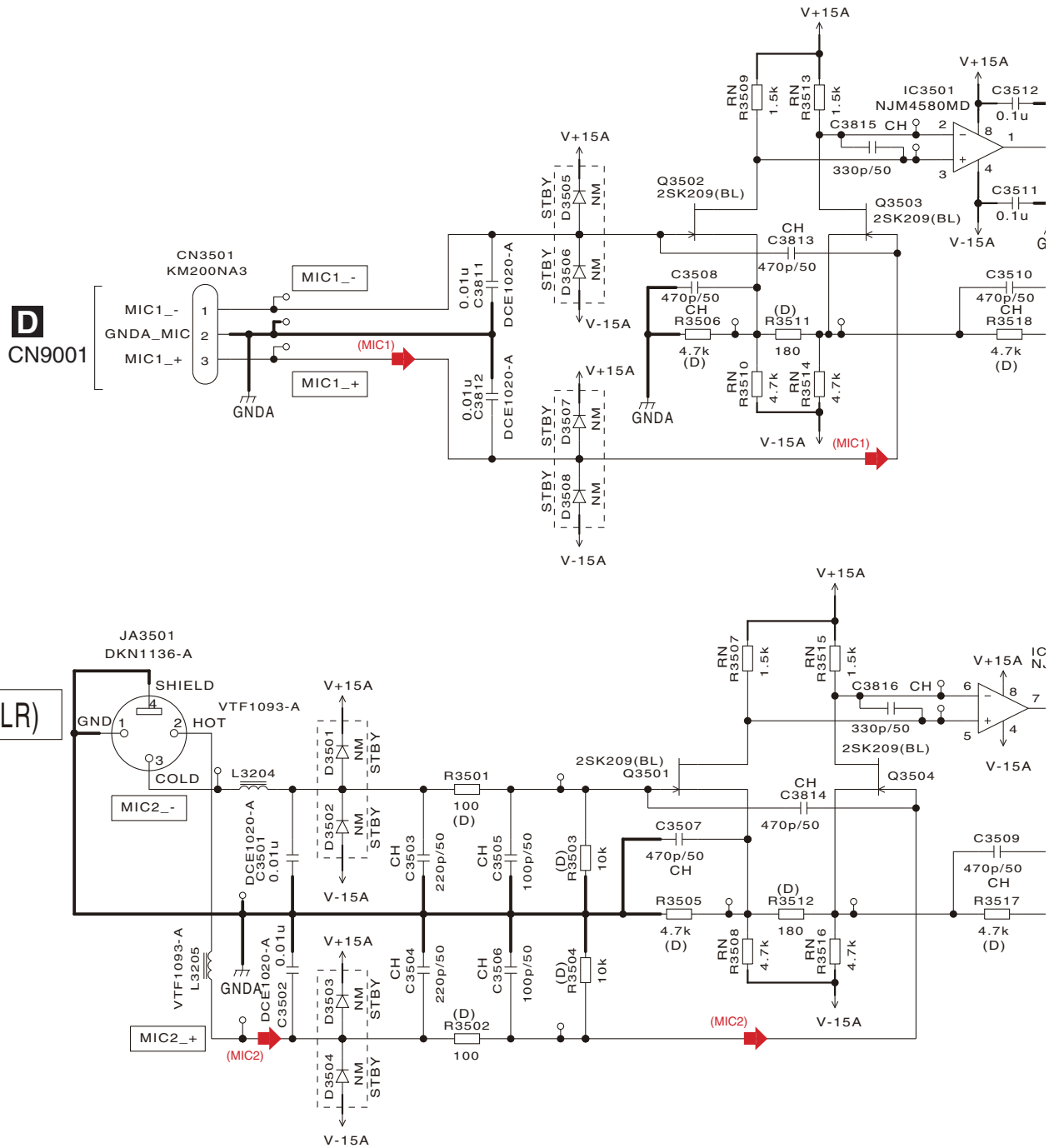
10.4 INPUT ASSY (4/8)



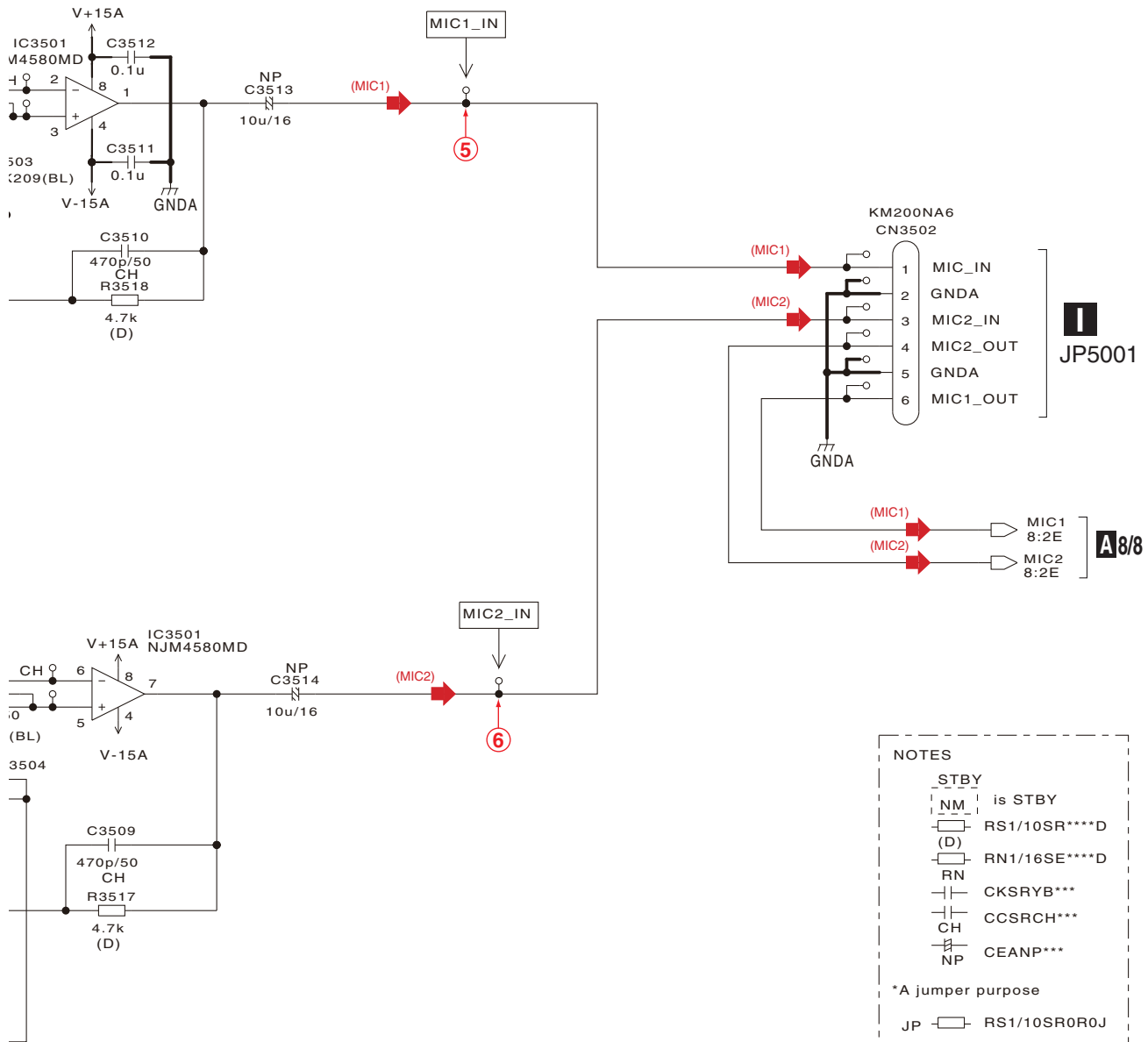
A4/8 INPUT ASSY (DWX2953)



10.5 INPUT ASSY (5/8)



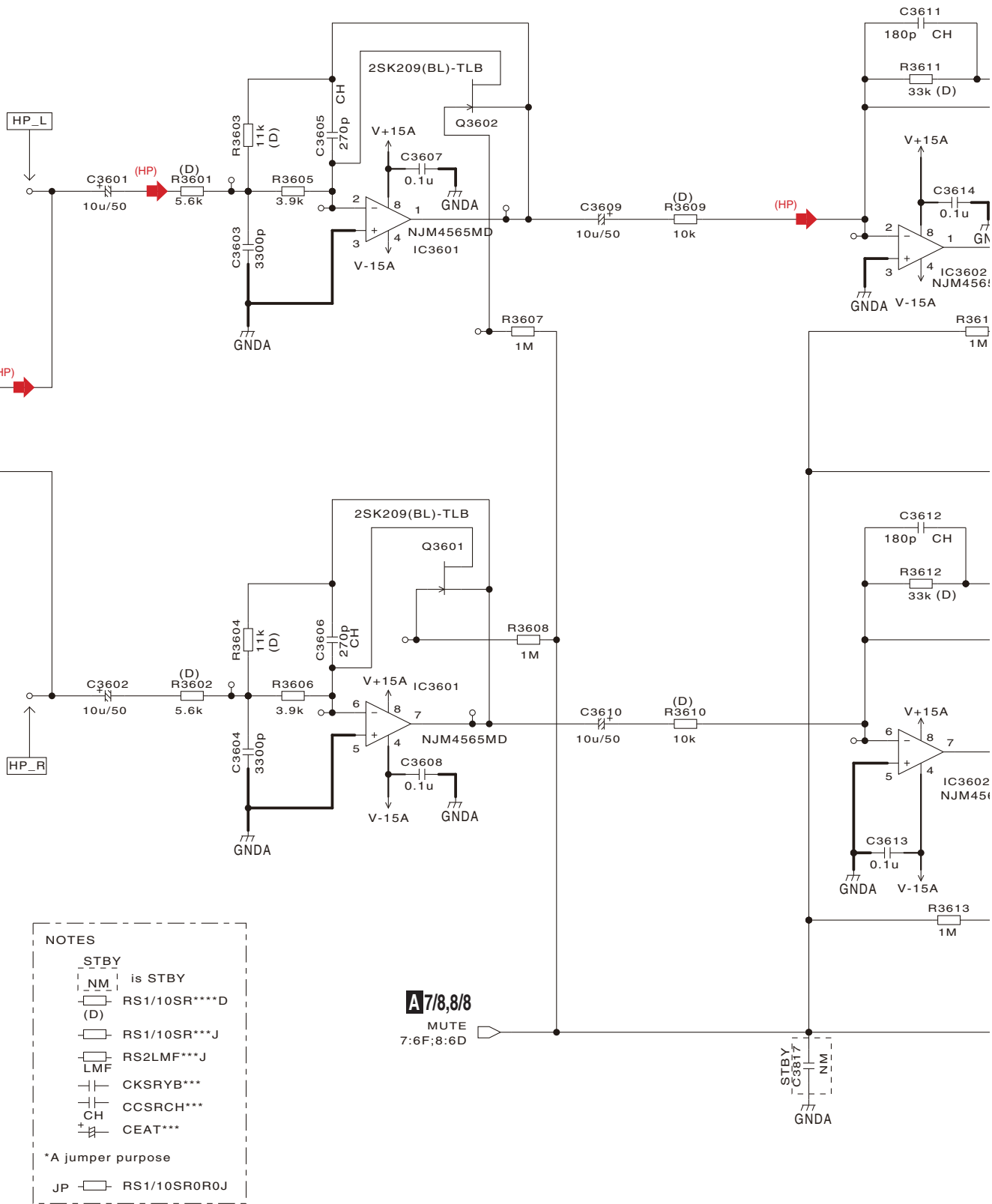
A5/8 INPUT ASSY (DWX2953)



AUDIO SIGNAL ROUTE

(MIC1) → MIC1 SIGNAL
(MIC2) → MIC2 SIGNAL

10.6 INPUT ASSY (6/8)



A



10.7 INPUT ASSY (7/8)

A

B

C

D

E

F

A8/8

8:5F
ZONE_L (ZONE)

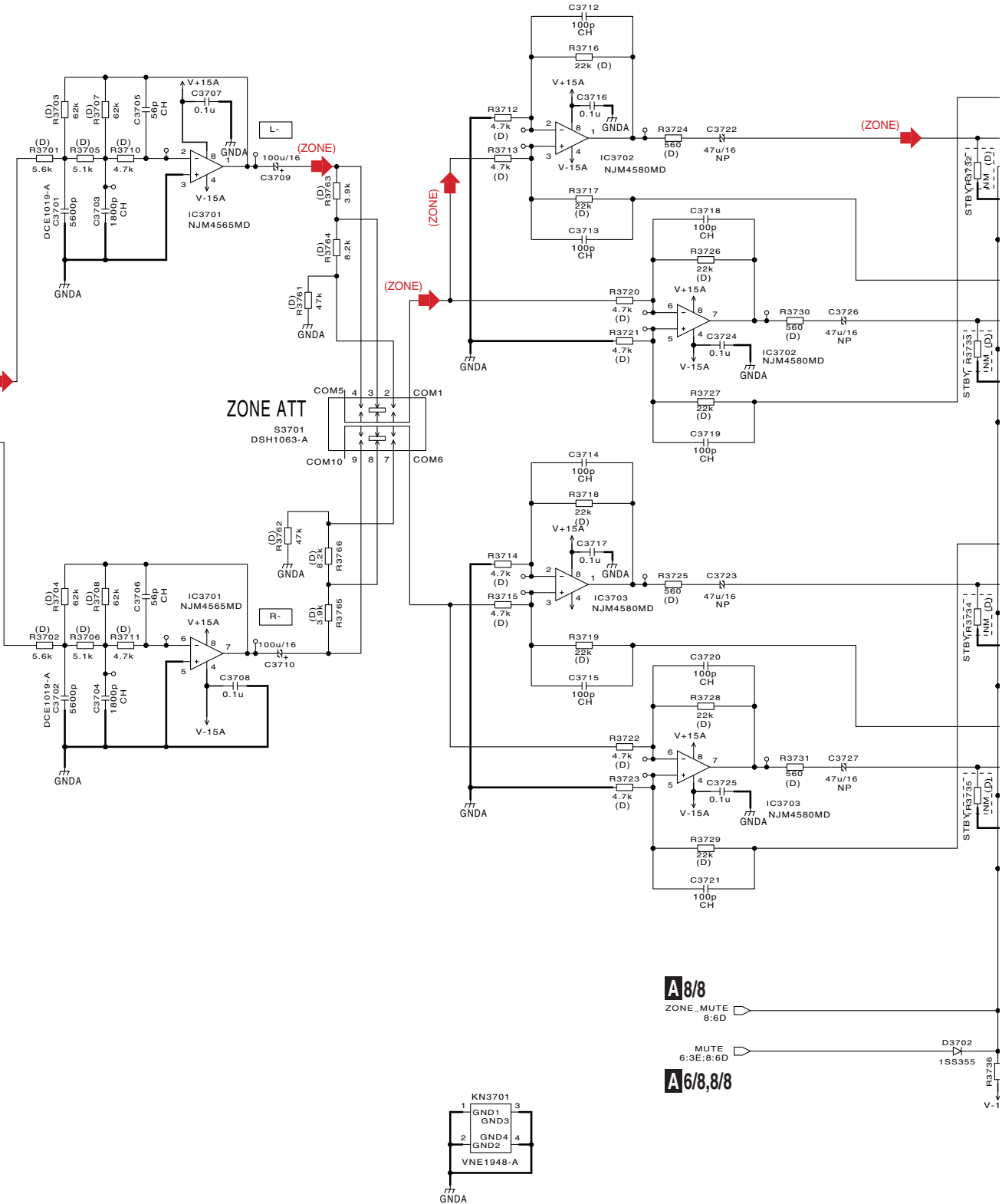
A6/8

8:5F
ZONE_R (ZONE)

A7/8

68

DJM-5000



A8/8

ZONE_MUTE
8:6D

MUTE
6:3E;8:6D

A6/8,8/8

D3702
1SS355

R3736
V-1

A7/8 INPUT ASSY (DWX2953)

A

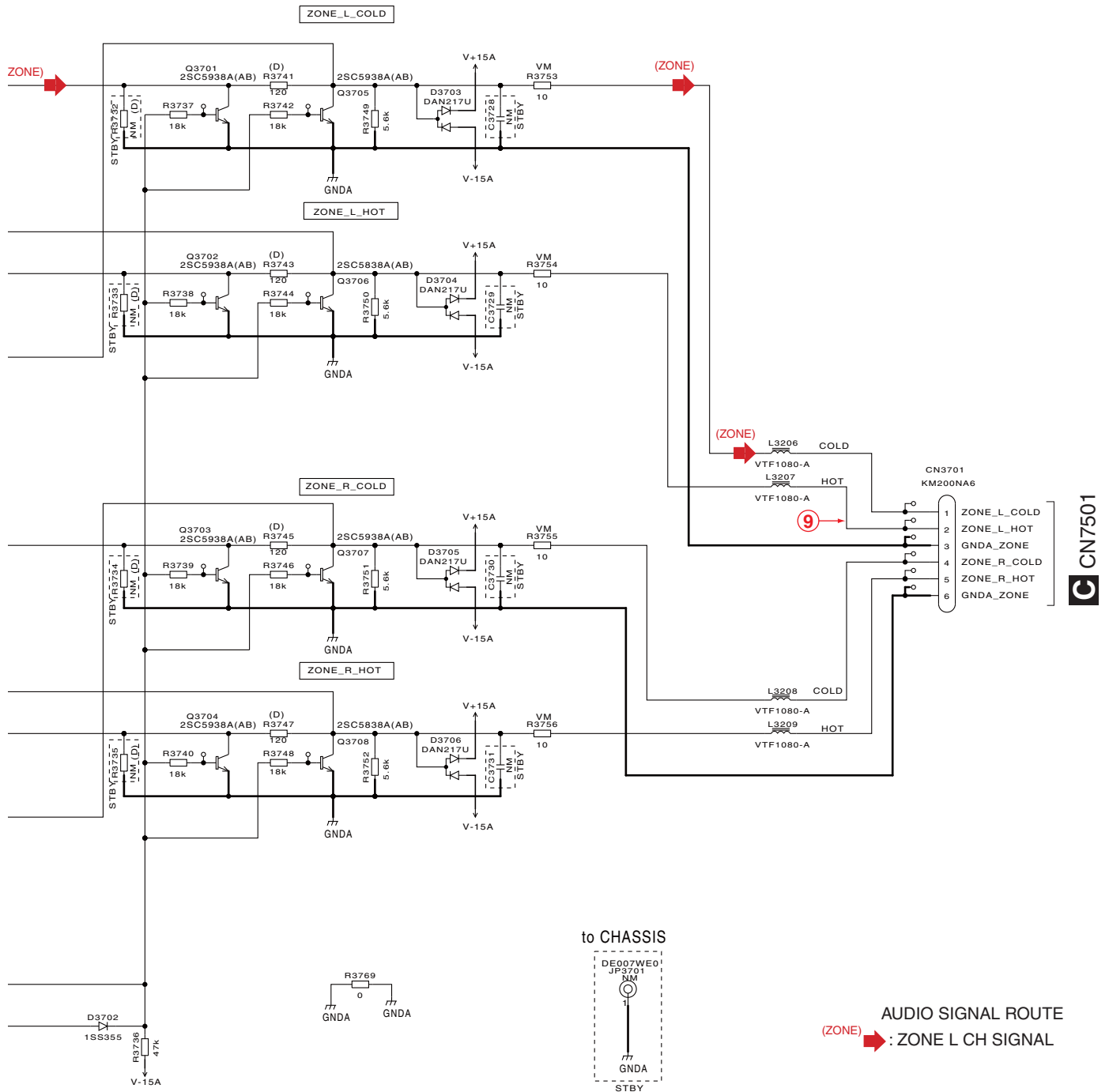
B

C

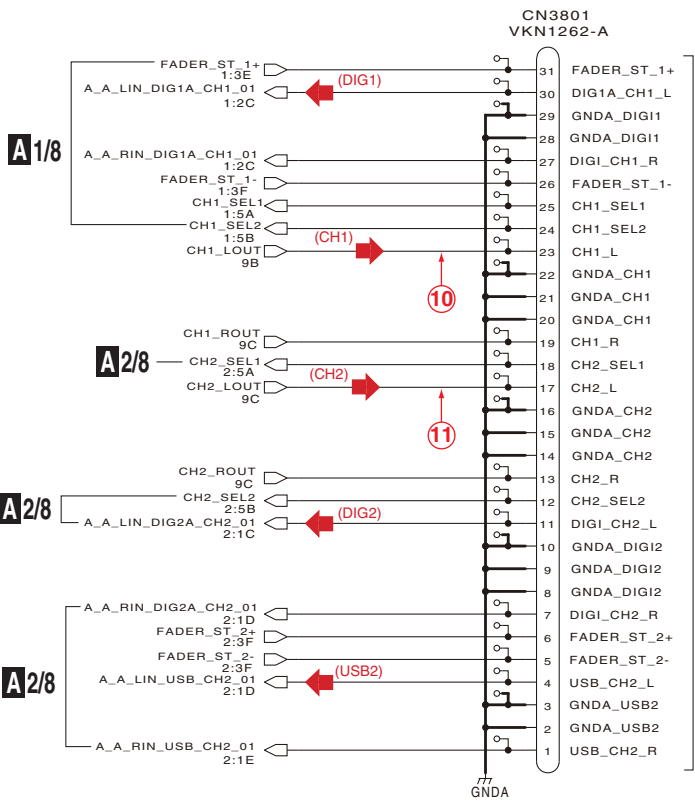
D

E

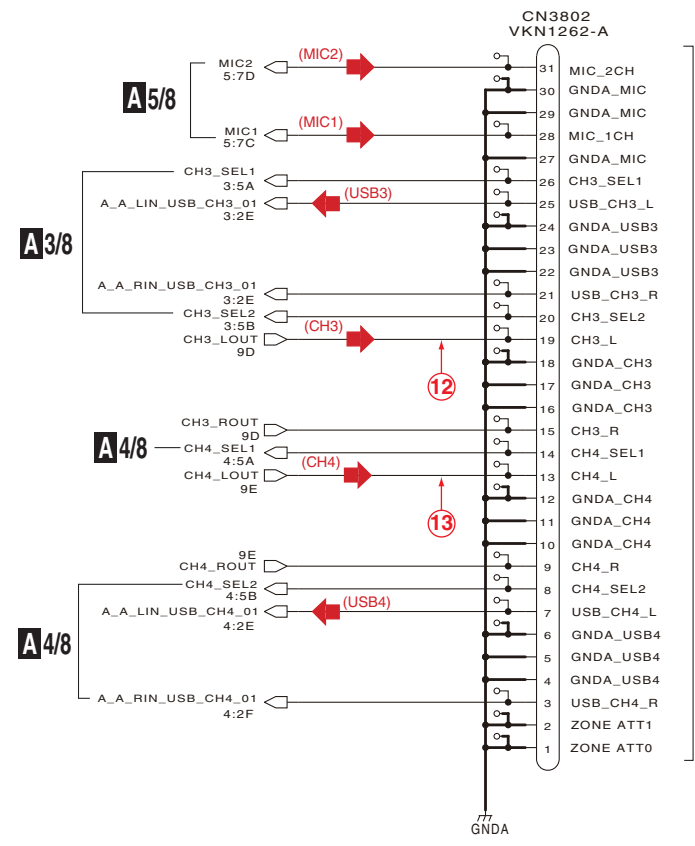
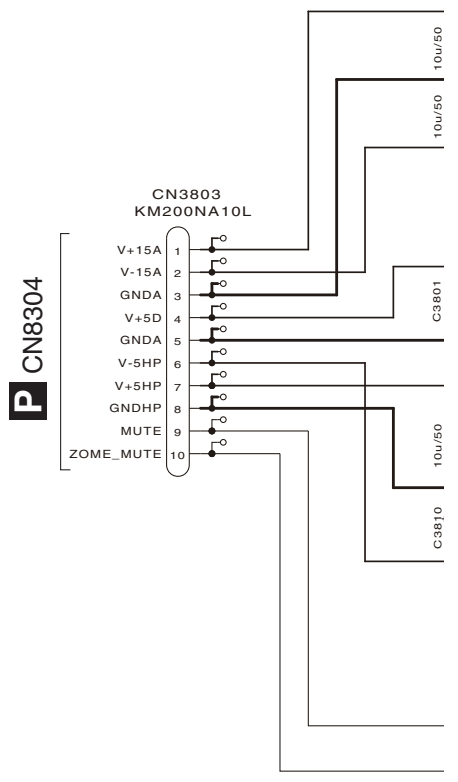
F



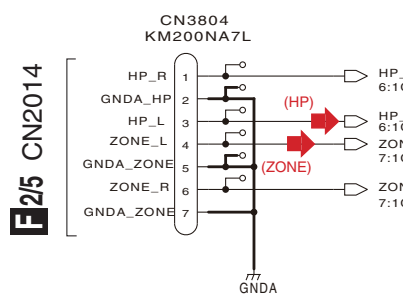
10.8 INPUT ASSY (8/8)



F1/5 CN2010



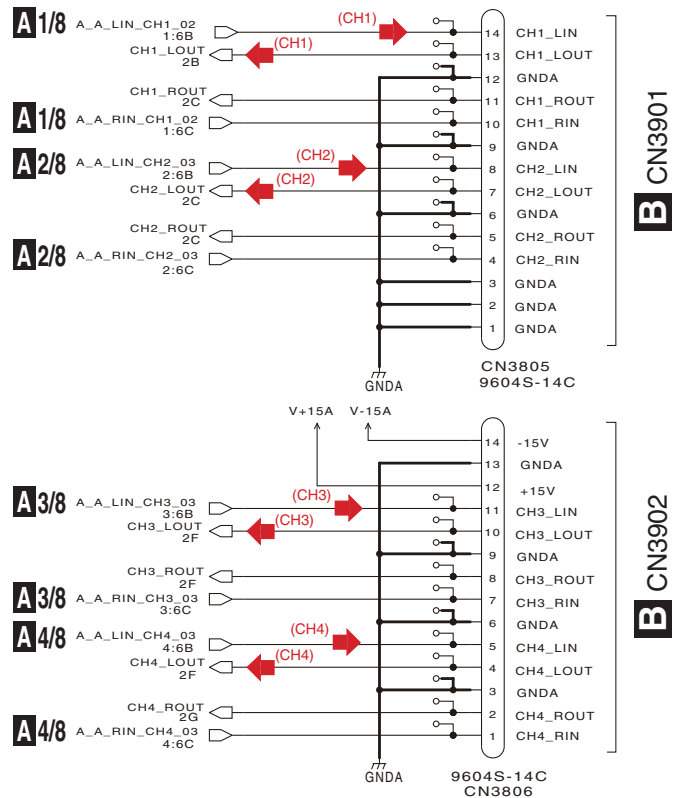
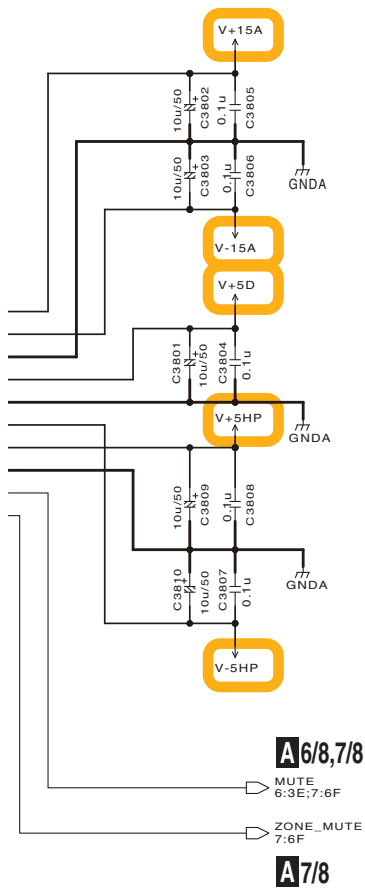
F1/5 CN2011



A8/8

A8/8 INPUT ASSY (DWX2953)

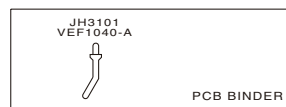
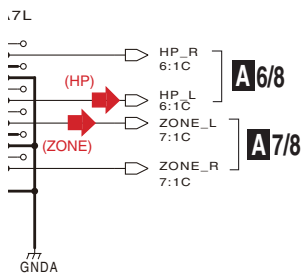
A



B

C

D



NOTES

CKSRYB***

CEAT***

AUDIO SIGNAL ROUTE

- (CH1) : CH1 L CH SIGNAL
- (CH2) : CH2 L CH SIGNAL
- (CH3) : CH3 L CH SIGNAL
- (CH4) : CH4 L CH SIGNAL
- (DIG1) : DIGITAL1 INPUT L CH SIGNAL
- (DIG2) : DIGITAL2 INPUT L CH SIGNAL
- (MIC1) : MIC1 SIGNAL
- (MIC2) : MIC2 SIGNAL
- (USB2) : USB 2 INPUT L CH SIGNAL
- (USB3) : USB 3 INPUT L CH SIGNAL
- (USB4) : USB 4 INPUT L CH SIGNAL
- (HP) : HP L CH SIGNAL
- (ZONE) : ZONE L CH SIGNAL

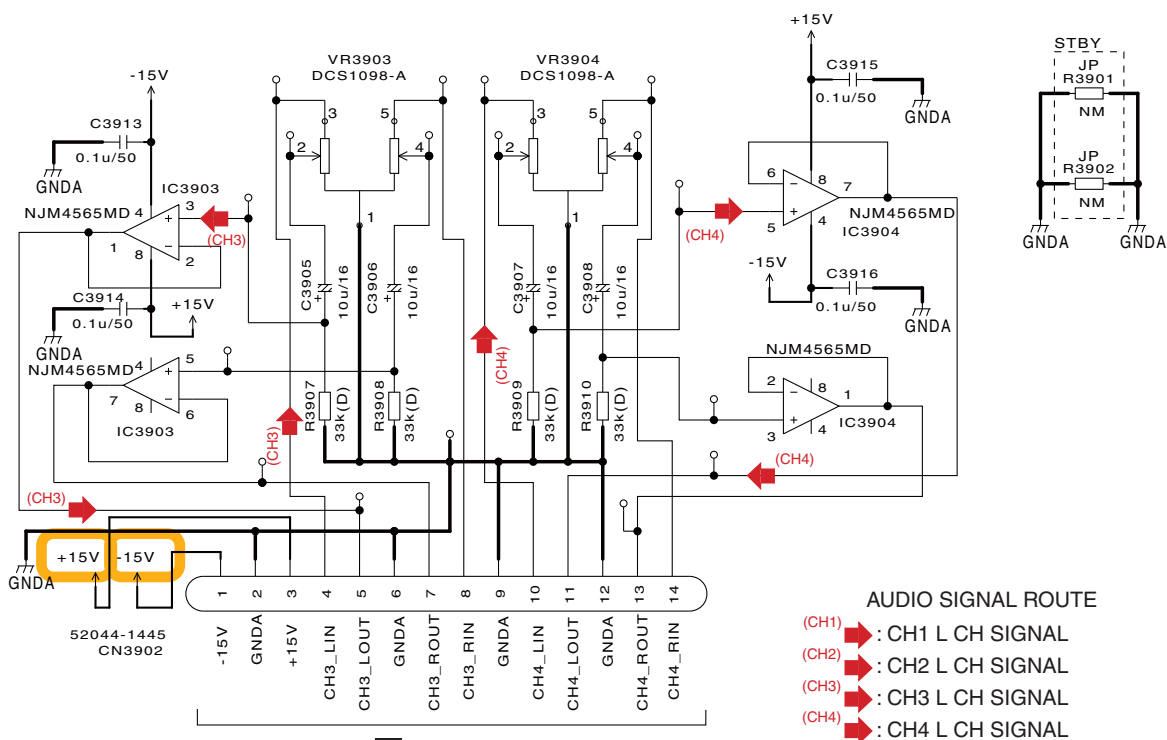
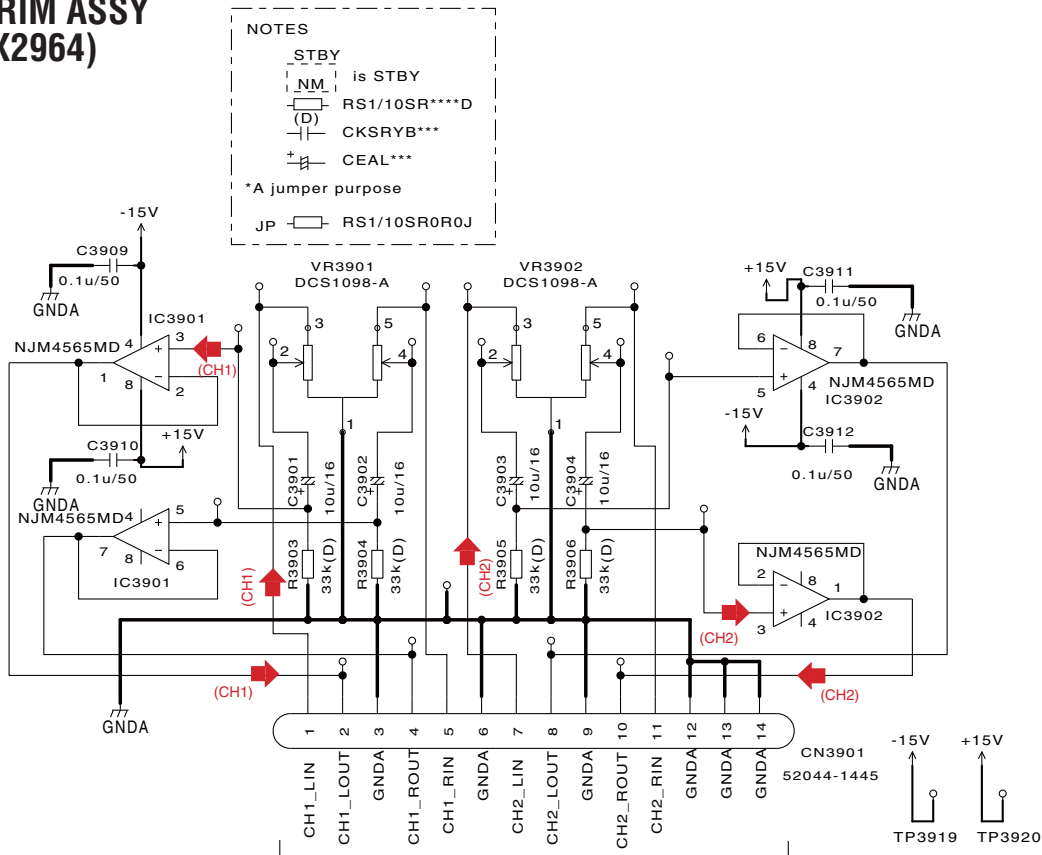
E

F

A8/8

10.9 CH TRIM ASSY

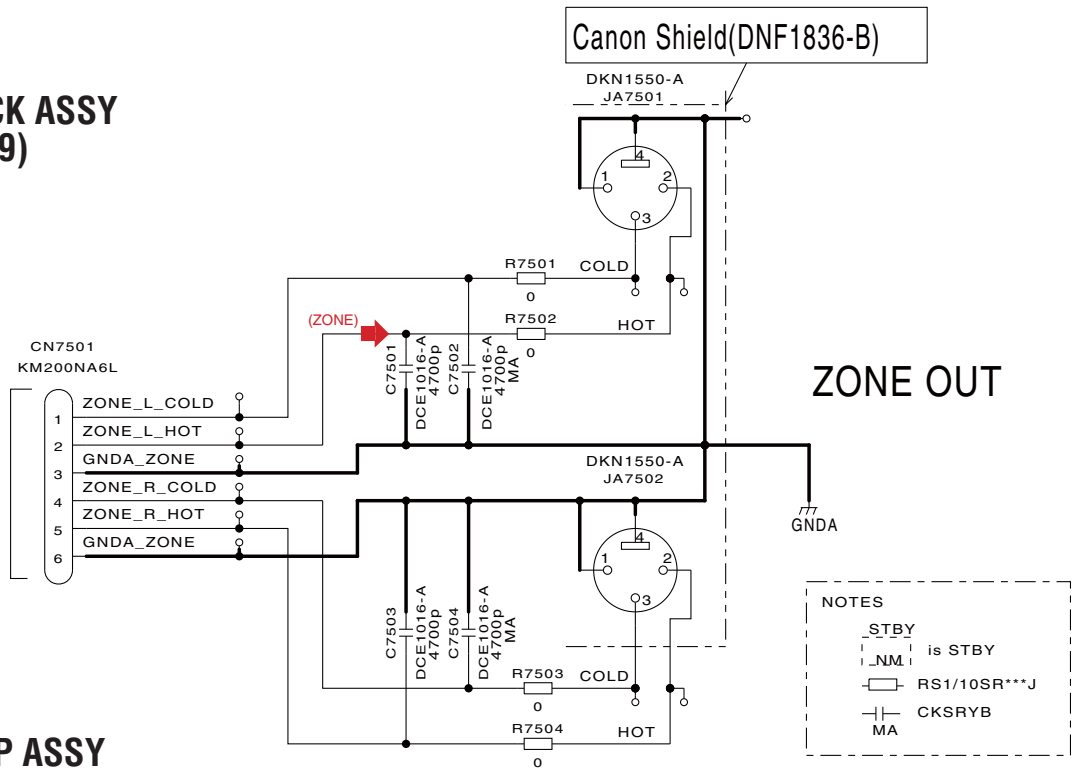
B CH TRIM ASSY (DWX2964)



10.10 ZONE JACK, MIC1 AMP and HP JACK ASSYS

C ZONE JACK ASSY (DWX3029)

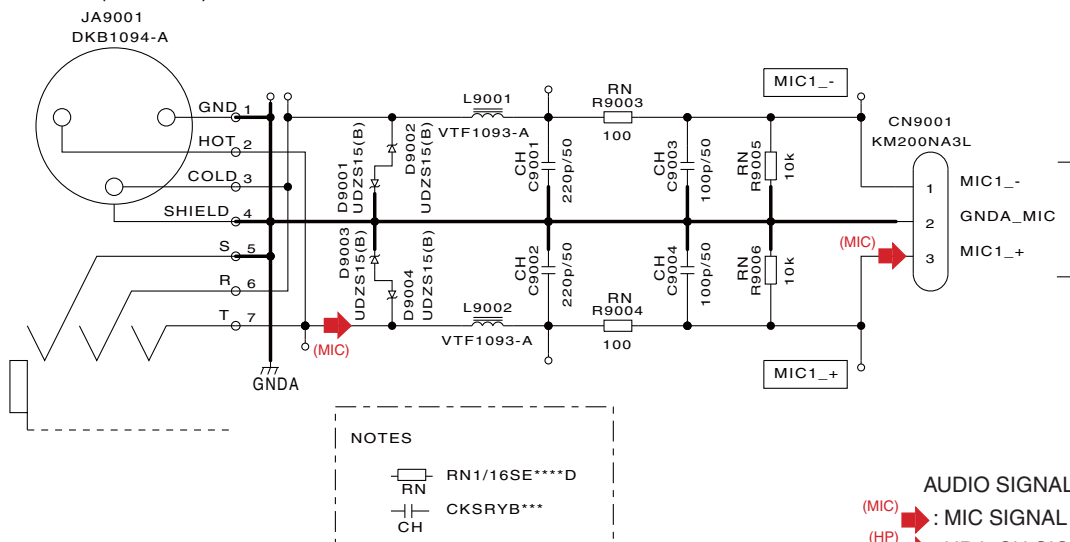
A7/8
CN7501



D MIC1 AMP ASSY (DWX2955)

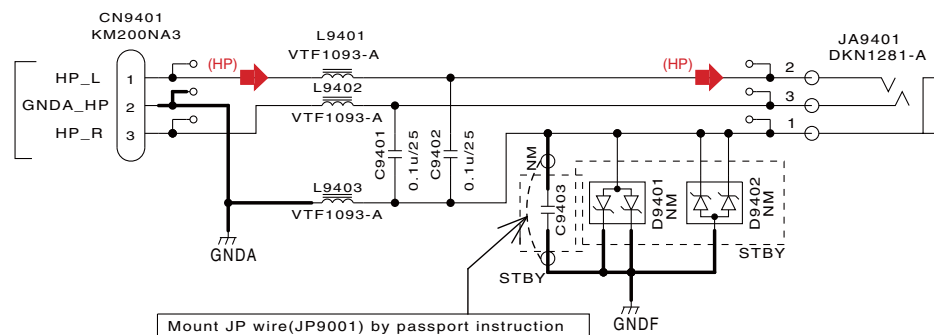
MIC1(COMBO)

A5/8
CN3501



E HP JACK ASSY (DWX2957)

A6/8
CN3601



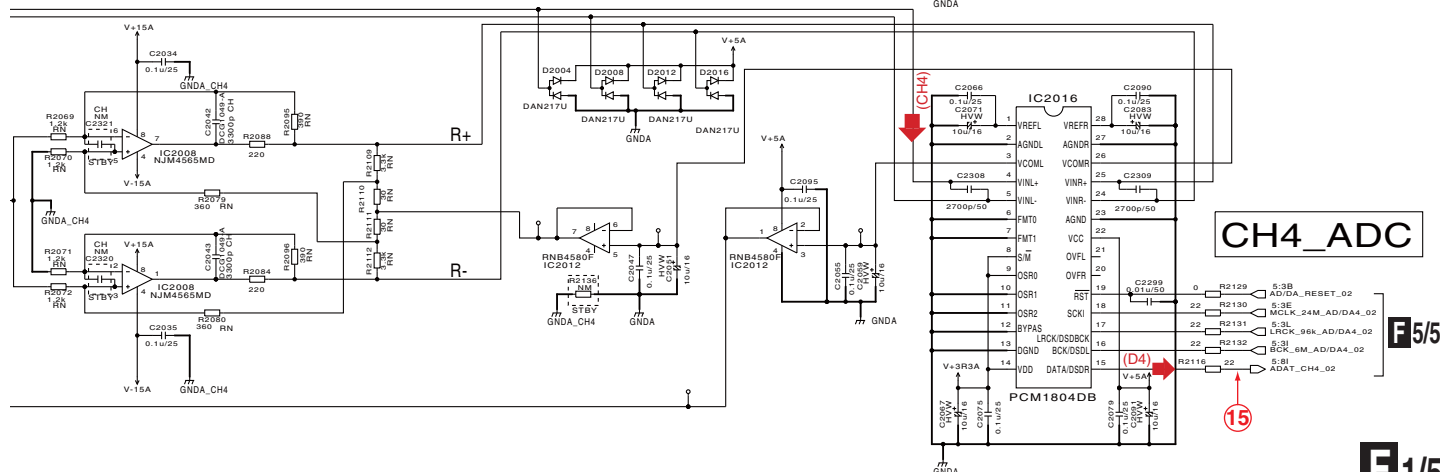
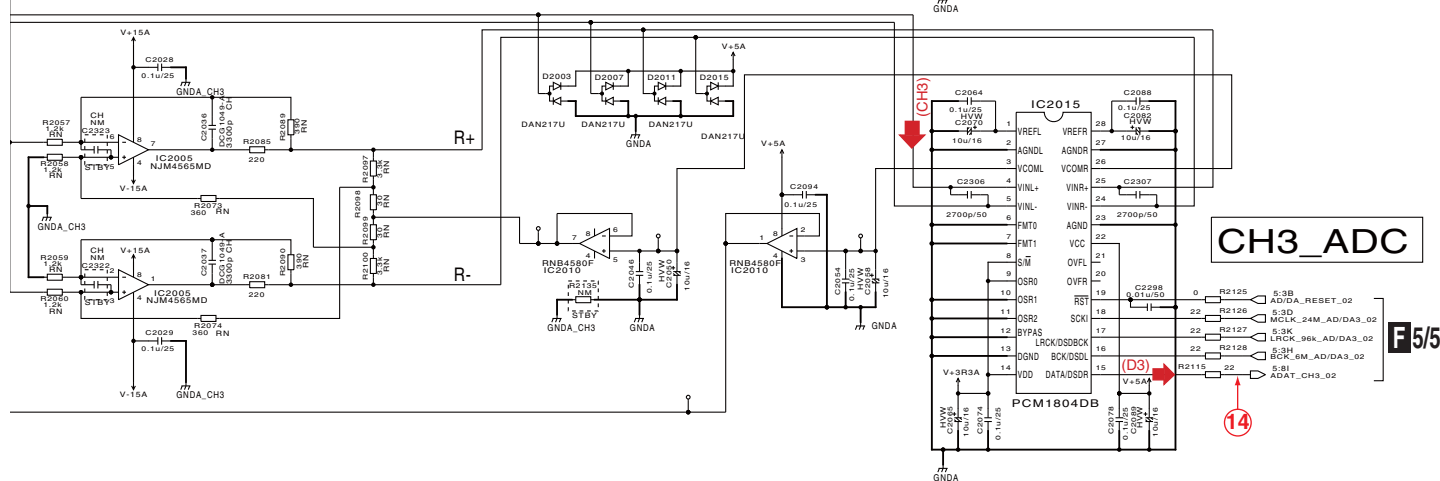
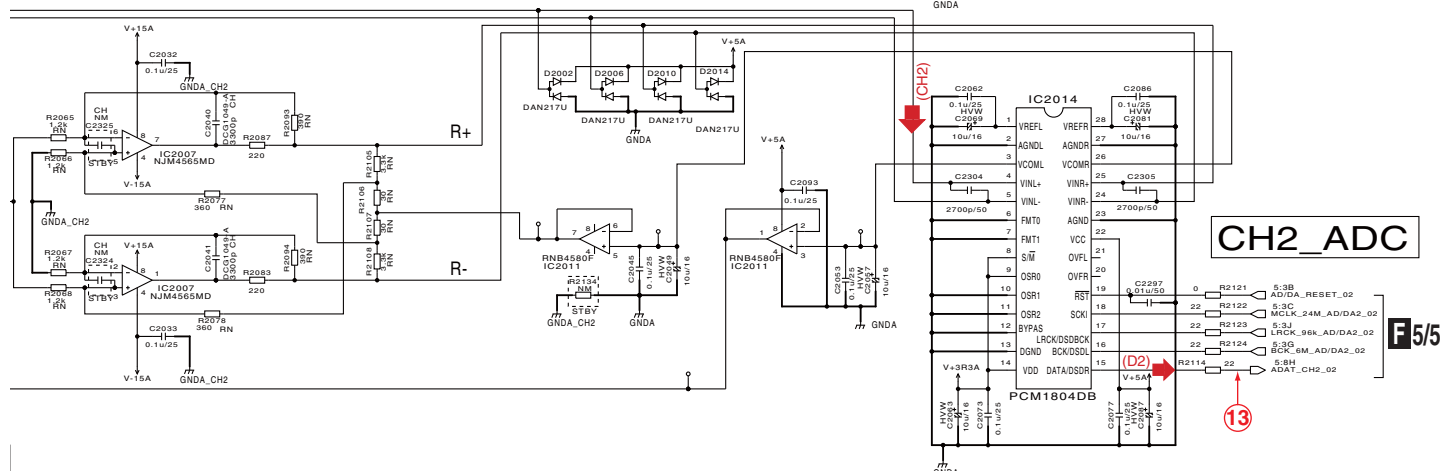
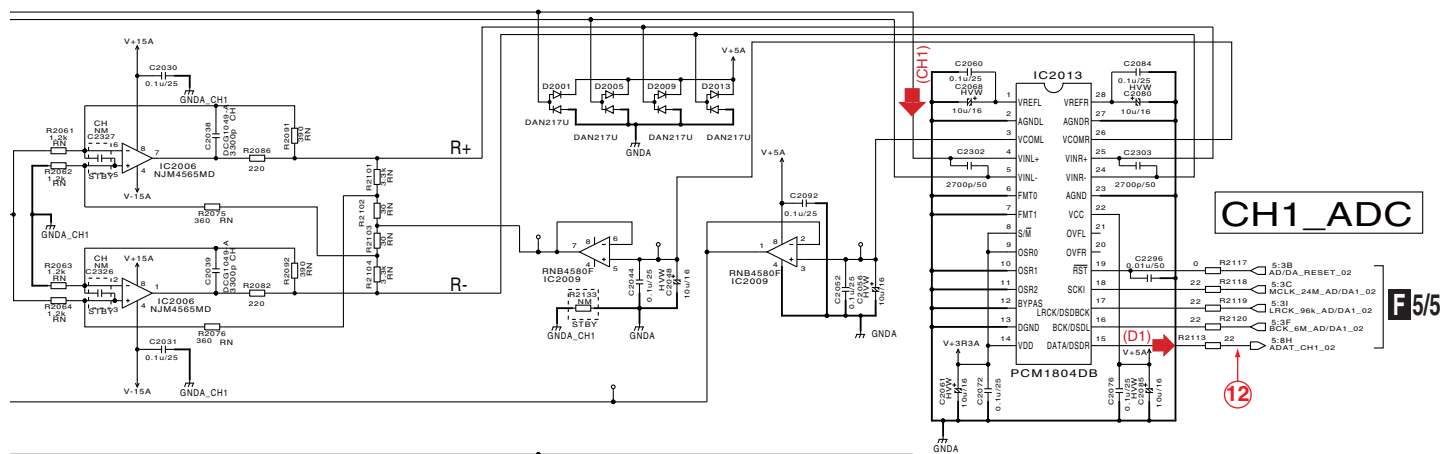
Mount JP wire(JP9001) by passport instruction

DJM-5000

CDE

F1/5 DAC ASSY (DWX3027)

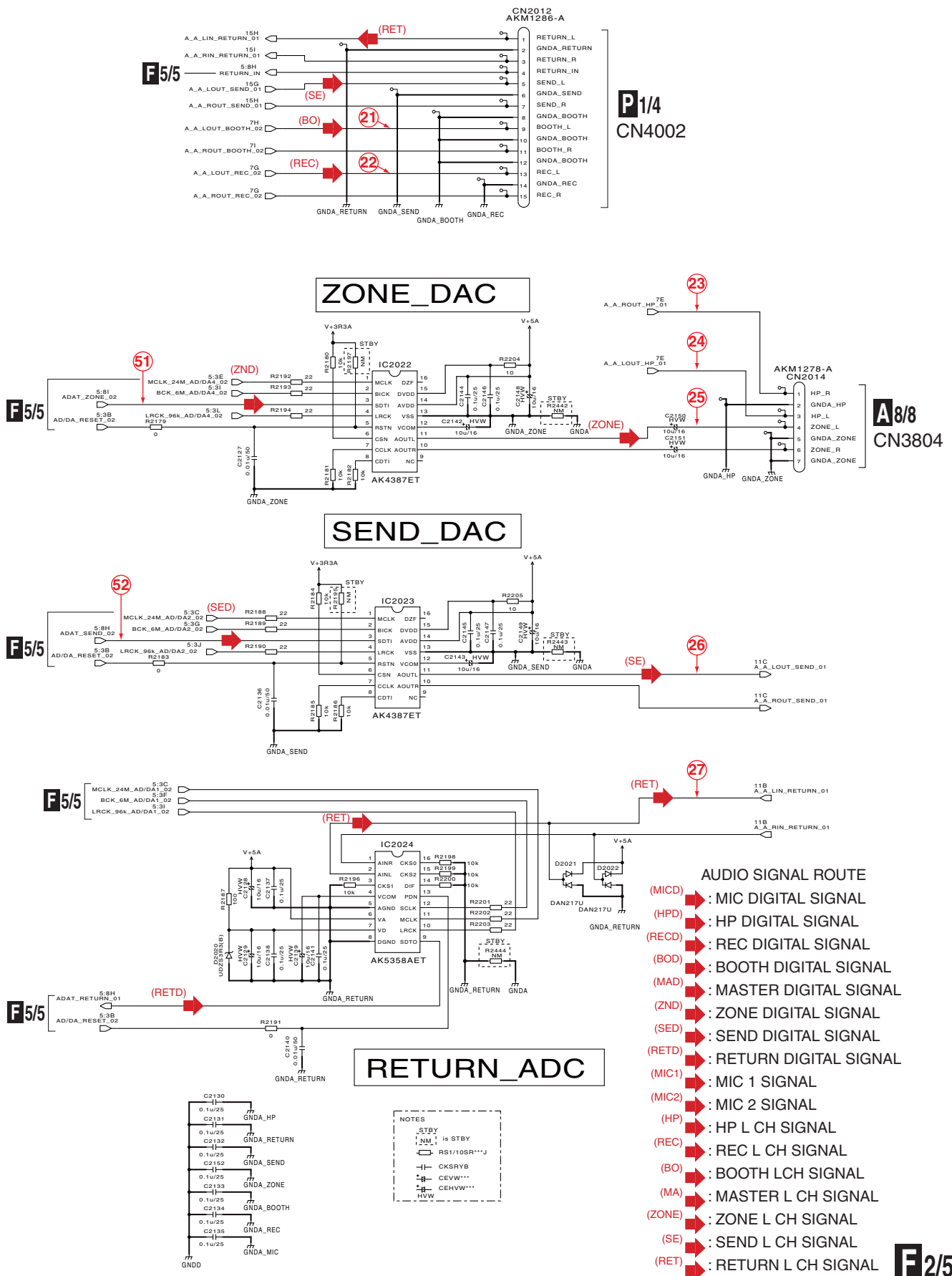




4

A





10.13 DAC ASSY (3/5) and USB/DIG JACK ASSY

F3/5 DAC ASSY (DWX3027)

AUDIO SIGNAL ROUTE
 (DG1) : DIGITAL 1 SIGNAL
 (DG2) : DIGITAL 2 SIGNAL
 (USB) : USB INPUT SIGNAL
 (DG1) : DIGITAL 1 L CH SIGNAL
 (DG2) : DIGITAL 2 L CH SIGNAL

G USB/DIG JACK ASSY (DWX2959)

NOTES
 _STBY is STBY
 _NM RS1/10SR****F
 (F) CCSRCH***
 CH CQMA***
 MA CFTLA***
 LA

F4/5

F5/5

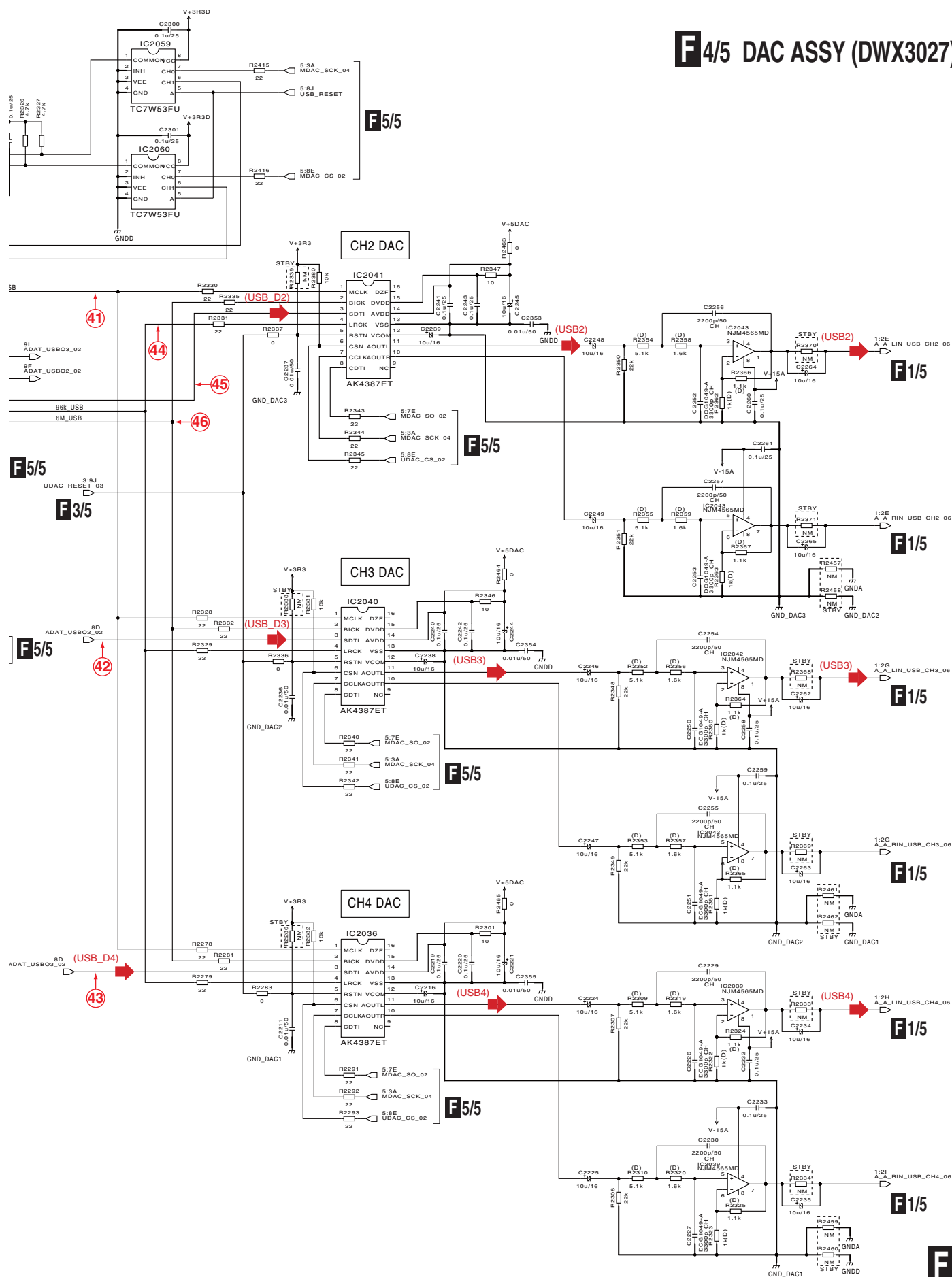
F3/5 G



△



F4/5 DAC ASSY (DWX3027)



4

A



□



_STBY
 NM is STBY
 RS1/8SQ
 1/8W
 RS1/10SF
 CKSRYB
 CEVW***
 CEVW***

10.16 MAIN ASSY (1/3)

A

B

C

D

E

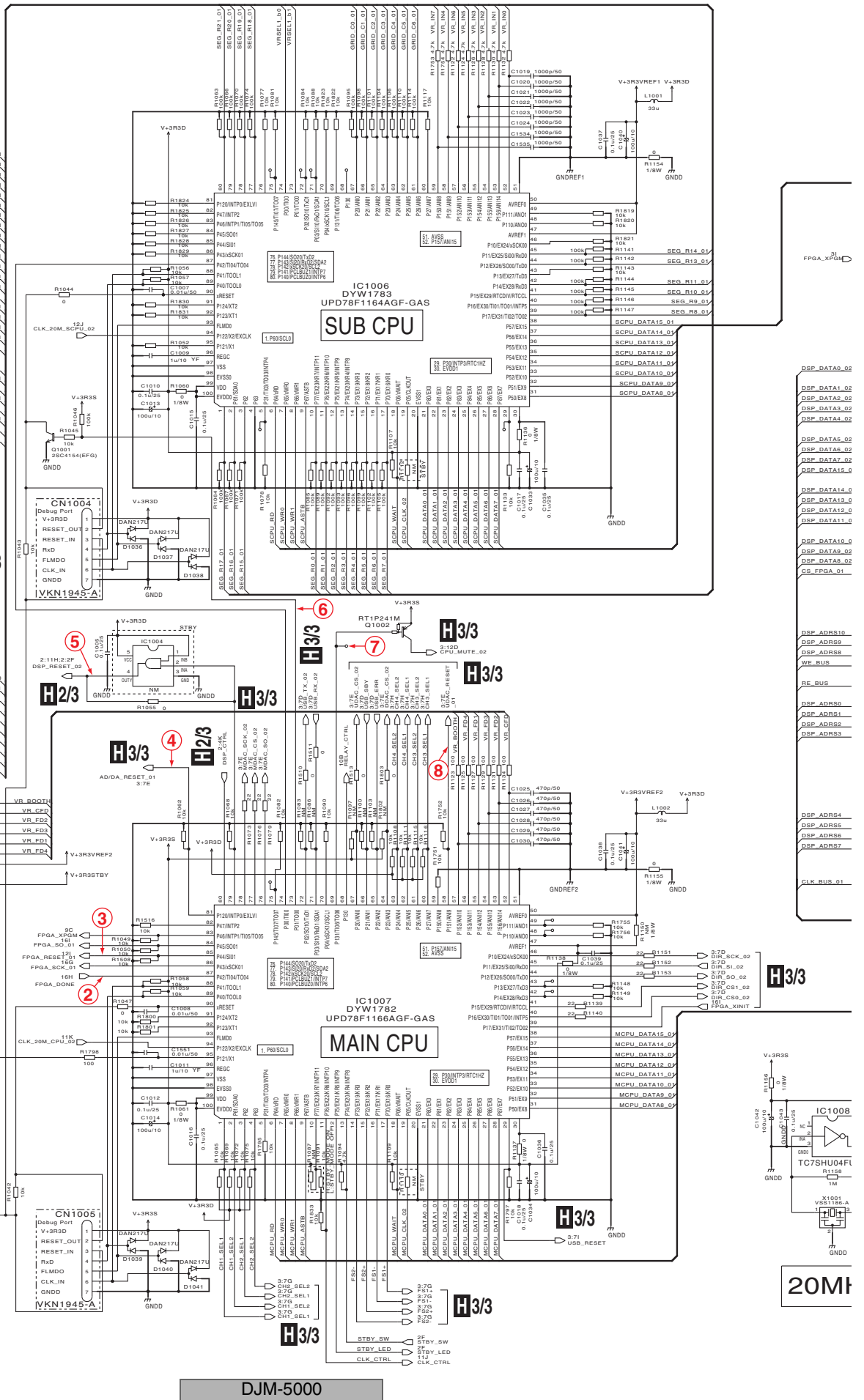
F

J CN6002

J CN6003

H 1/3

84



A

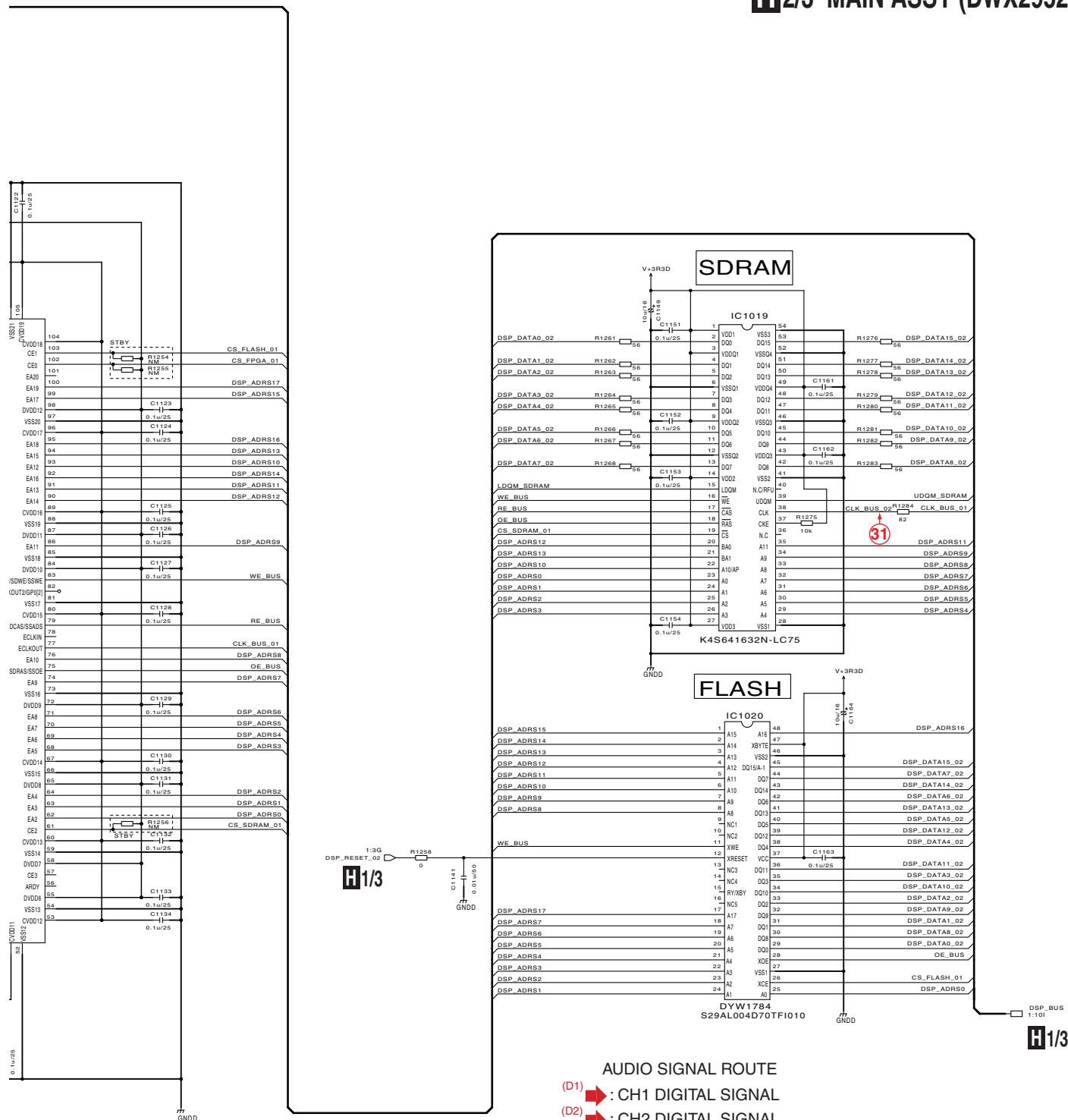


△

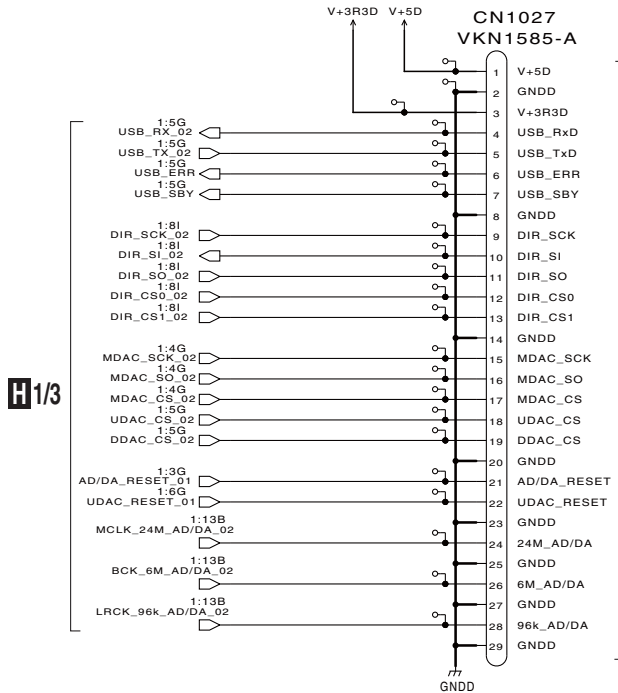
F

86

H2/3 MAIN ASSY (DWX2952)

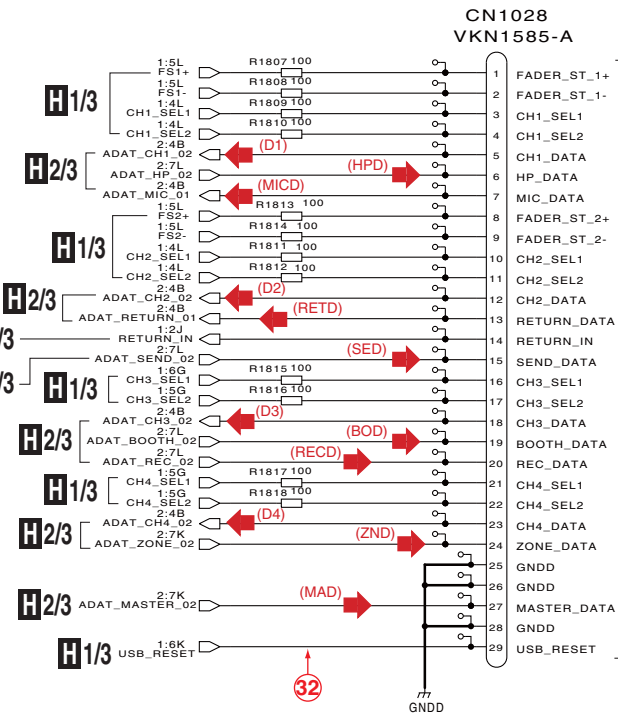
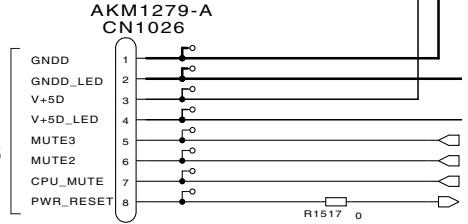


10.18 MAIN ASSY (3/3)



F5/5
CN2017

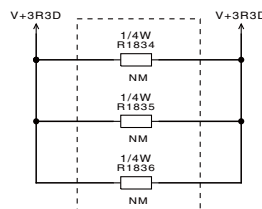
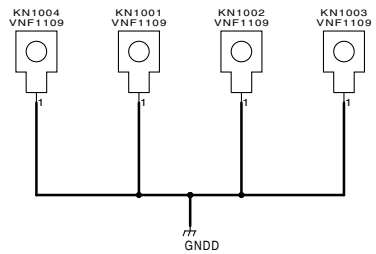
Q
CN8306



F5/5
CN2018

AUDIO SIGNAL ROUTE

(D1) : CH1 DIGITAL SIGNAL
(D2) : CH2 DIGITAL SIGNAL
(D3) : CH3 DIGITAL SIGNAL
(D4) : CH4 DIGITAL SIGNAL
(MICD) : MIC DIGITAL SIGNAL
(RETD) : RETURN DIGITAL SIGNAL
(ZND) : ZONE DIGITAL SIGNAL
(MAD) : MASTER DIGITAL SIGNAL
(BOD) : BOOTH DIGITAL SIGNAL
(RECD) : REC DIGITAL SIGNAL
(SED) : SEND DIGITAL SIGNAL
(HPD) : HP DIGITAL SIGNAL



STBY

H3/3

A



- NOTES

STBY
NM is STBY

 RS1/14SA***J

1/4W
-□- RS1/8SQ***J

RS1/10SR****

 RS1/10SR***J

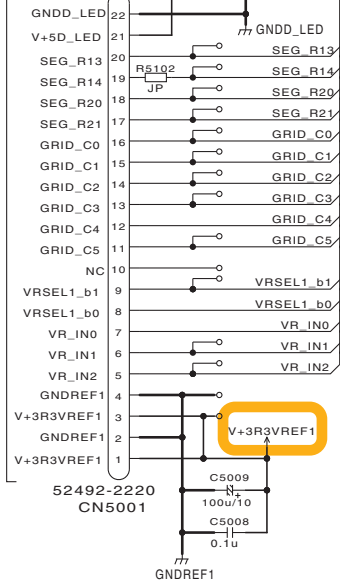
-| CKSRYB
 +n CEVW***

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

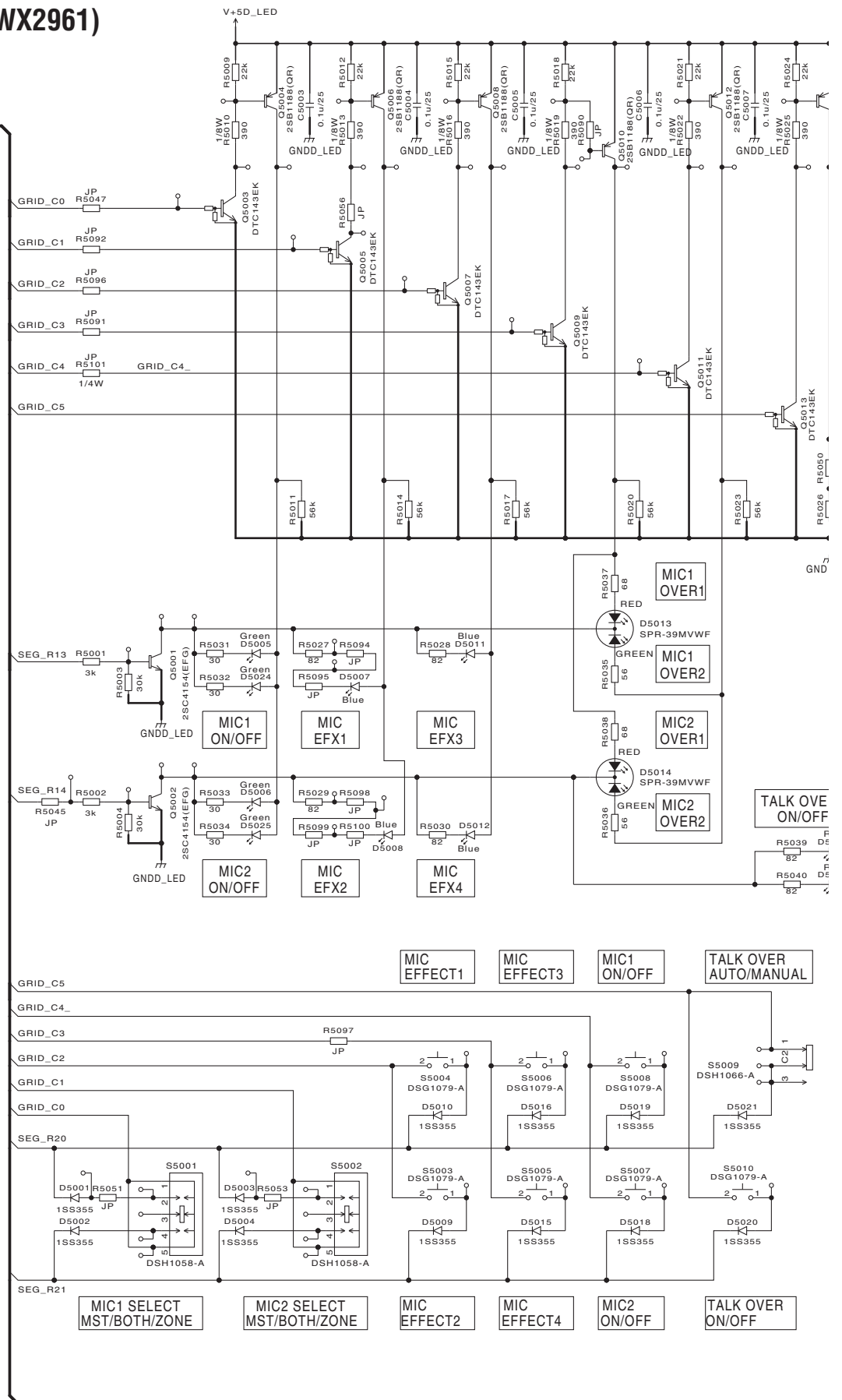
10.19 PANEL A ASSY

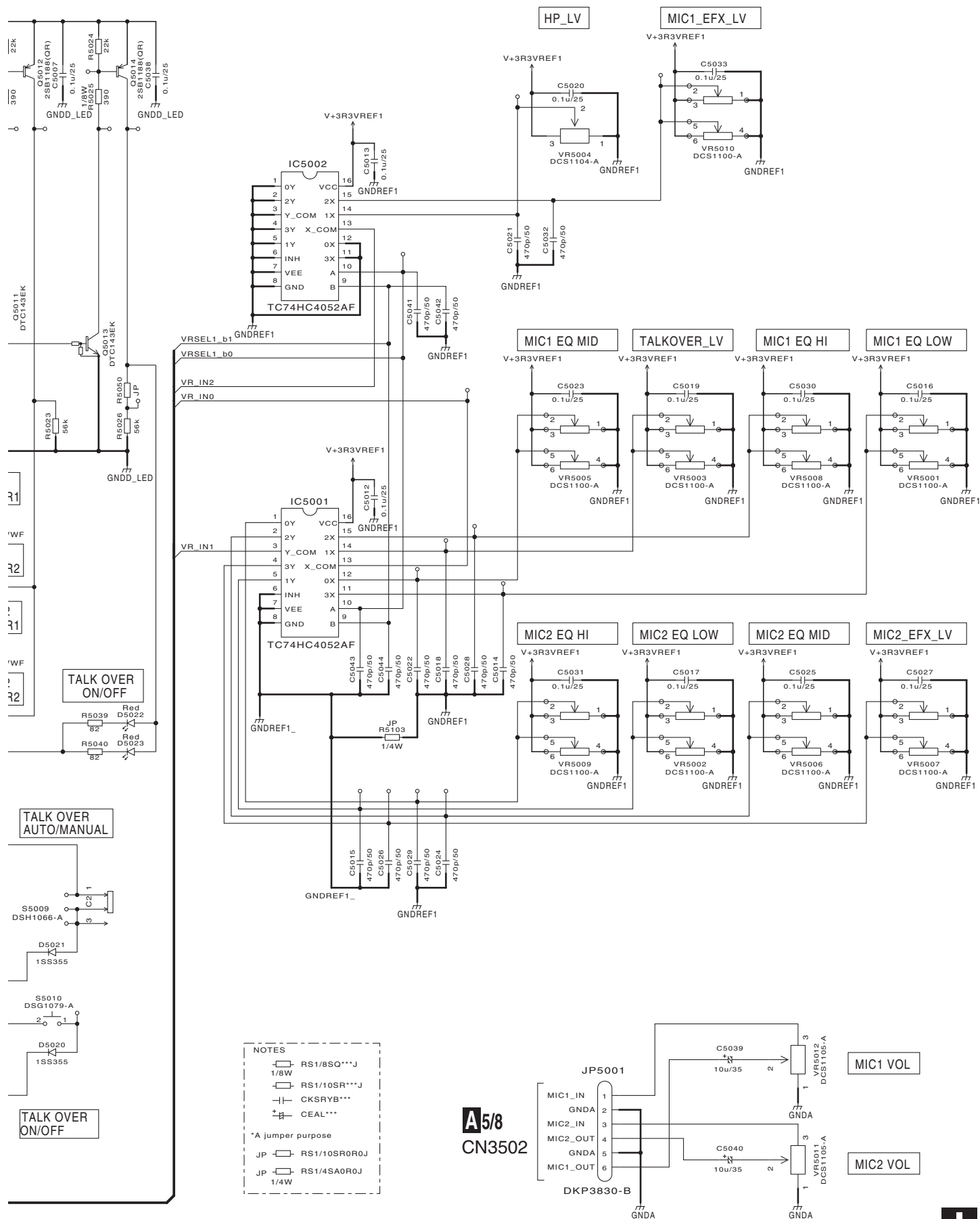
PANEL A ASSY (DWX2961)

J
CN6001



Reference No.	Parts Name (Color)
D5005, D5006, D5024, D5025	SLI-343P8C(ABCD) (Green)
D5007, D5008, D5011, D5012	SLR343BC4T(JK) (Blue)
D5022, D5023	SLR-343VC(NPQ) (Red)
D5013, D5014	SPR-39MVWF(MN) (Green/Red)





A

B

C

D

E

F

10.20 PANEL B ASSY

J PANEL B ASSY (DWX2962)

A

B

C

D

E

F

1 CN5001

H1/3 CN1020

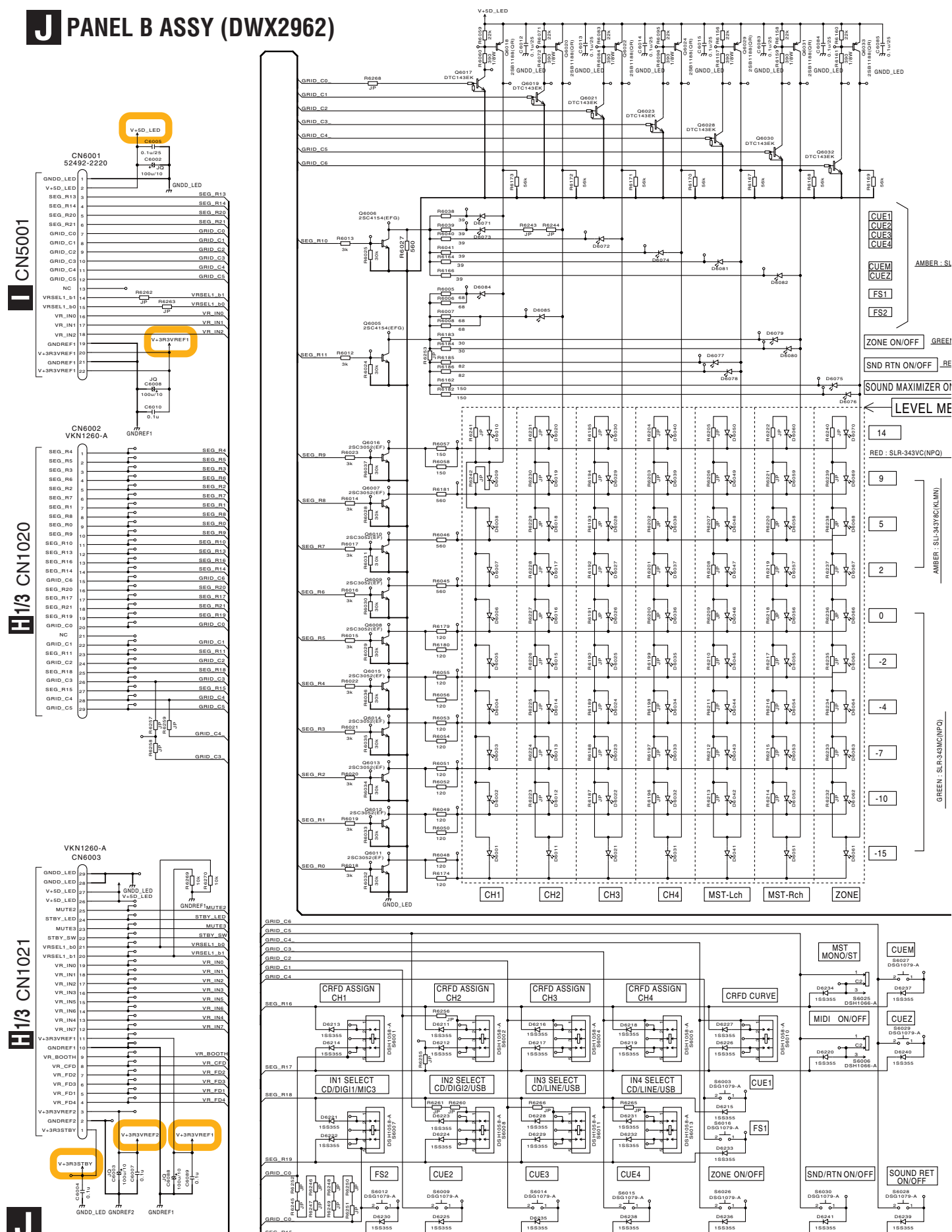
H1/3 CN1021

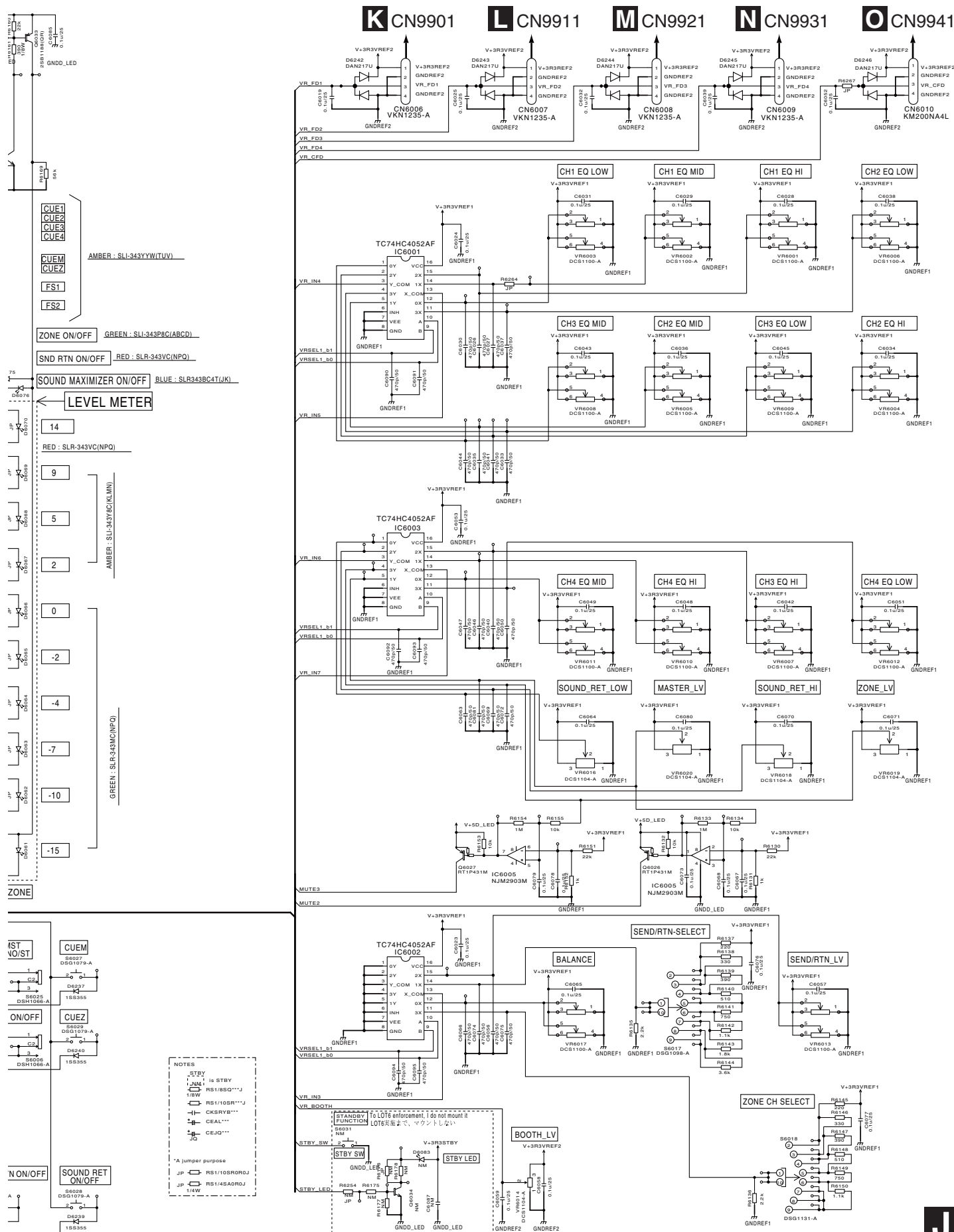
92

2

3

4





A

B

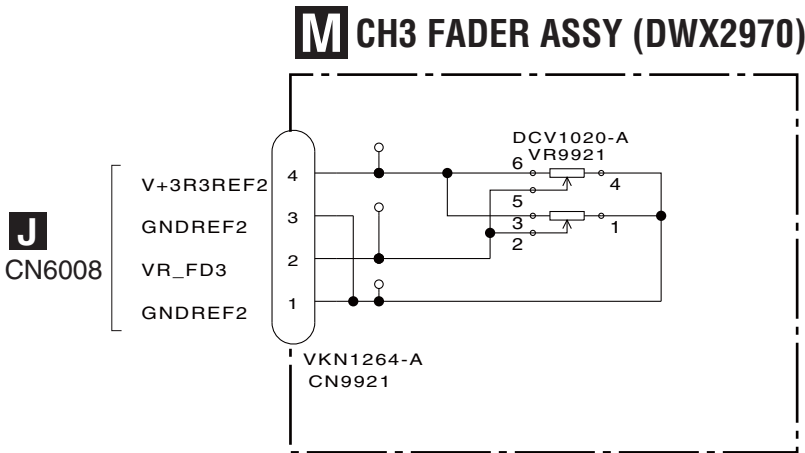
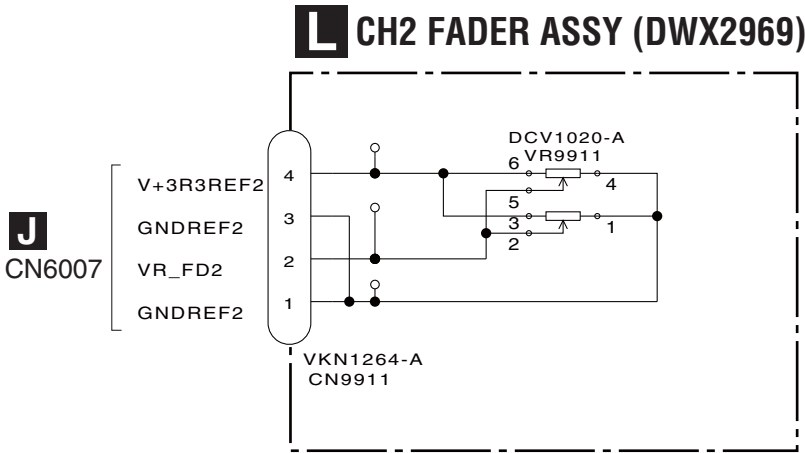
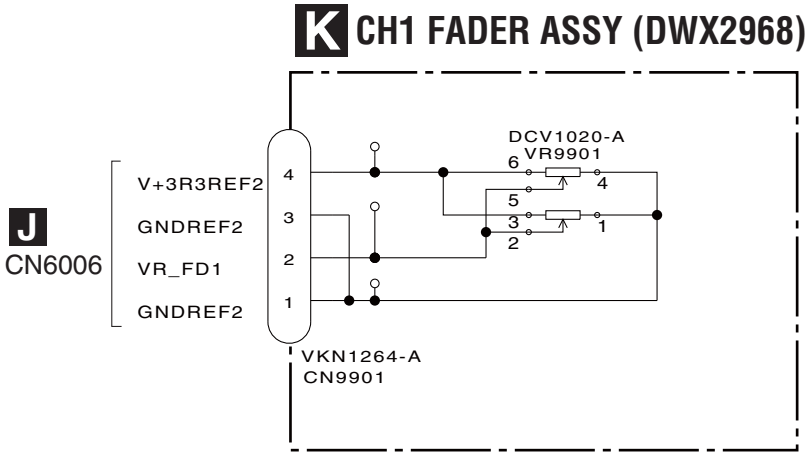
C

D

E

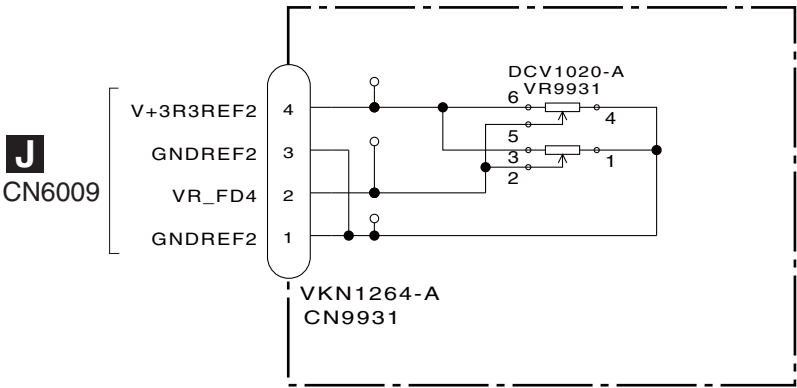
F

10.21 CH1, CH2 and CH3 FADER ASSYS



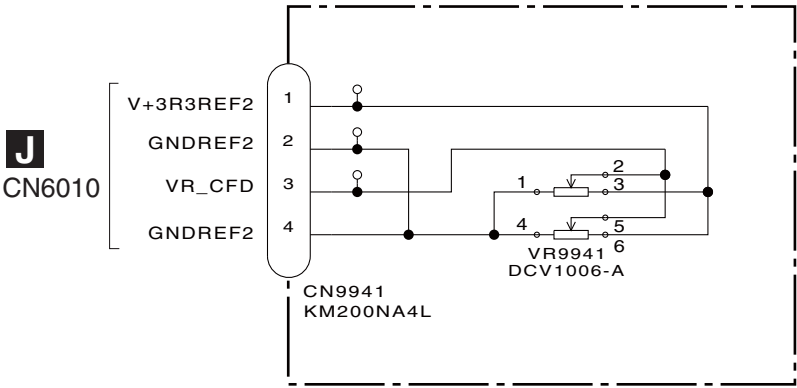
N

CH4 FADER ASSY (DWX2971)



O

CRS FADER ASSY (DWX2972)



10.23 OUTPUT ASSY (1/4)

A

B

C

D

E

F

F2/5 CN2013

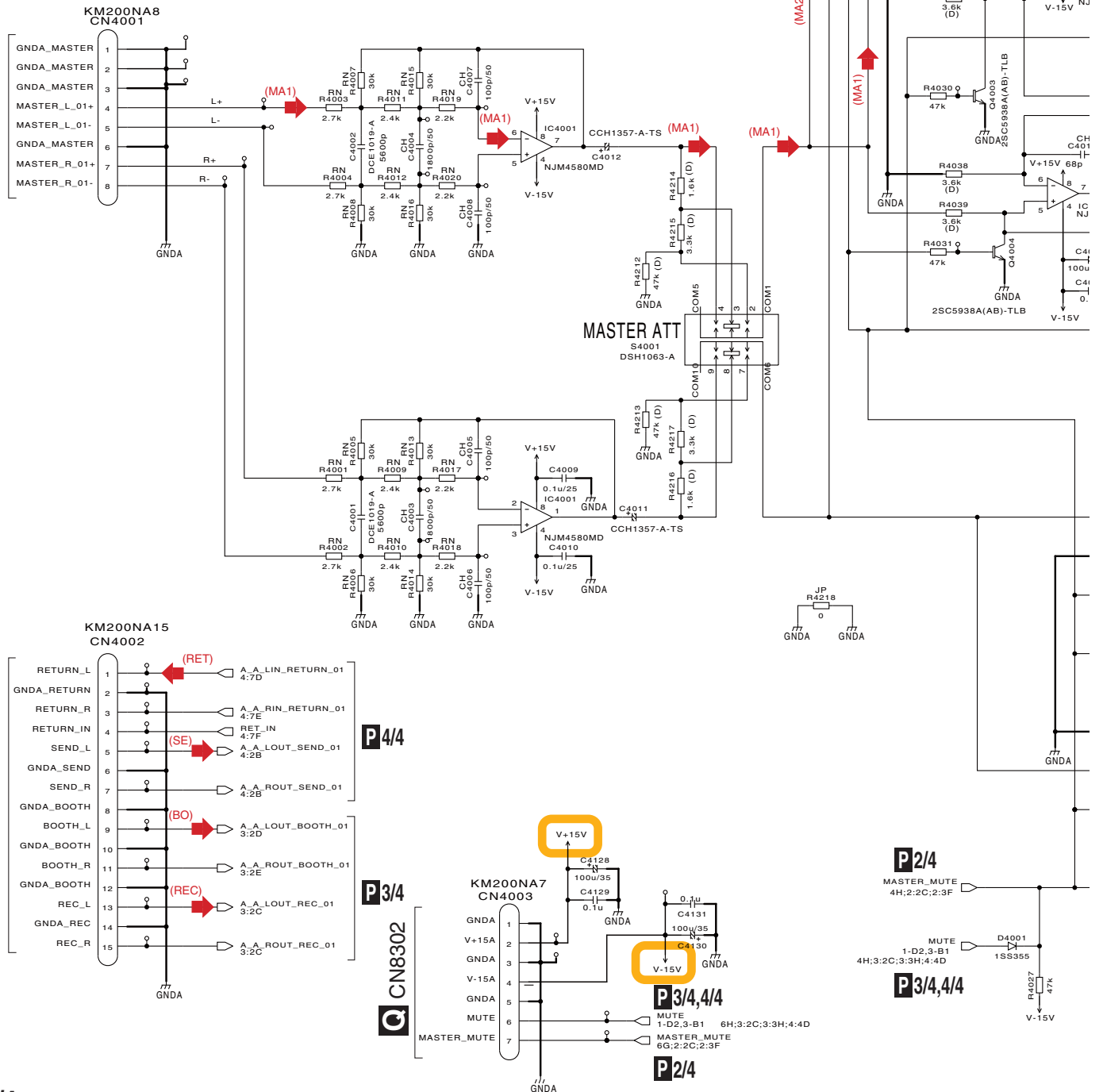
F2/5 CN2012

P1/4

96

AUDIO SIGNAL ROUTE

- (MA1) : MASTER 1 L CH SIGNAL
- (MA2) : MASTER 2 L CH SIGNAL
- (RET) : RETURN INPUT L CH SIGNAL
- (SE) : SEND L CH SIGNAL
- (BO) : BOOTH L CH SIGNAL
- (REC) : REC L CH SIGNAL



DJM-5000

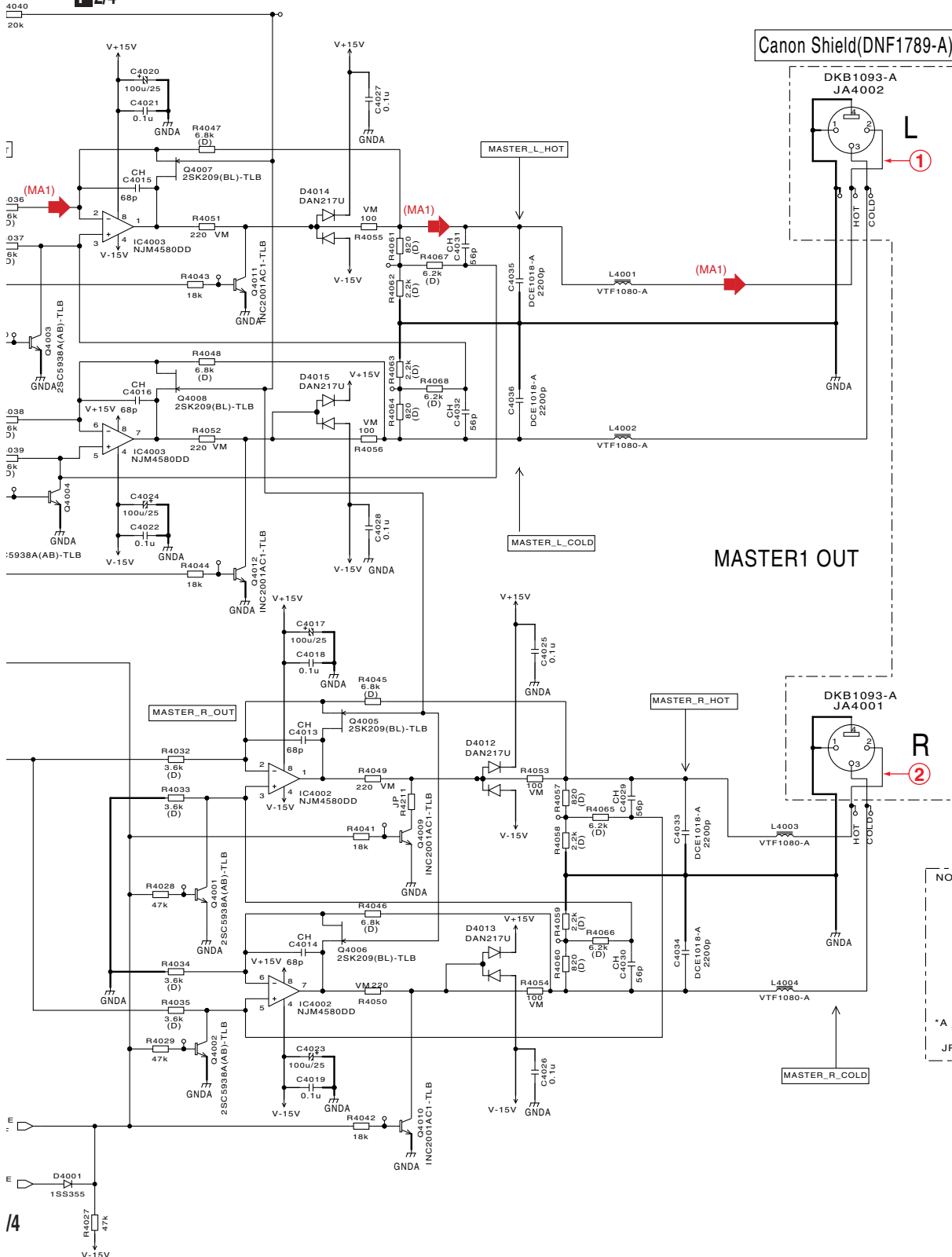
P2/4

P1/4 OUTPUT ASSY (DWX2954)

A

A_A_MASTER_L_OUT_05
2:2B
A_A_MASTER_R_OUT_05
2:2D
to Master2

P2/4



B

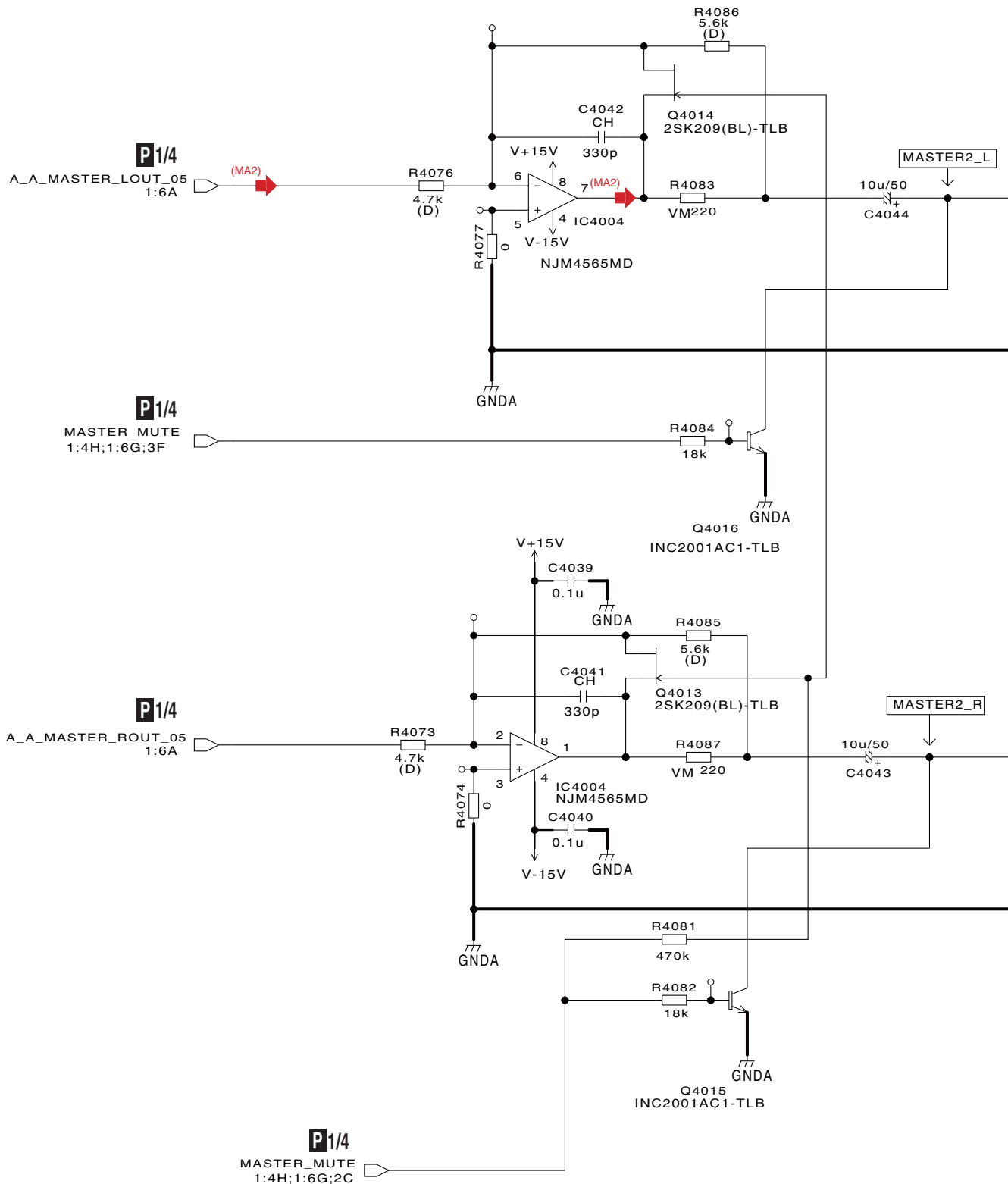
C

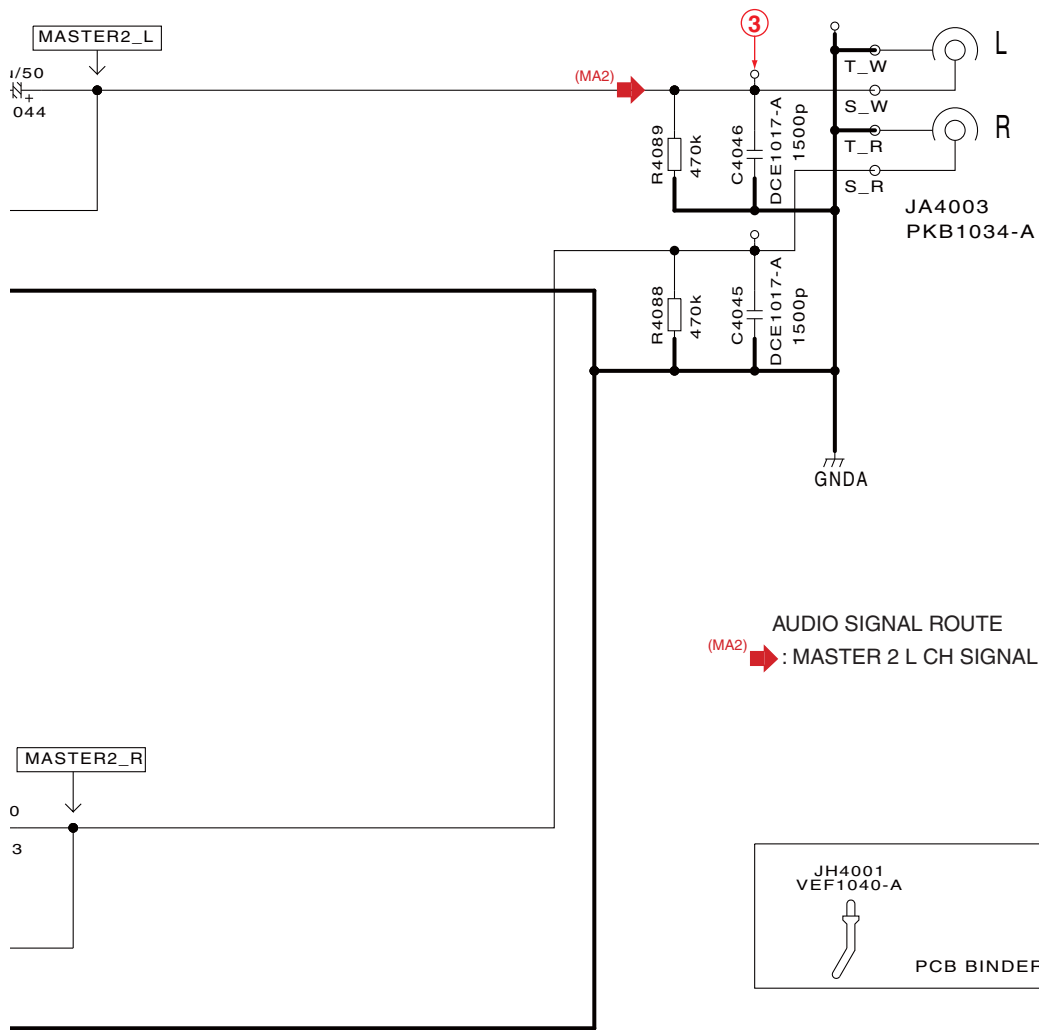
D

E

F

10.24 OUTPUT ASSY (2/4)





10.25 OUTPUT ASSY (3/4)

A

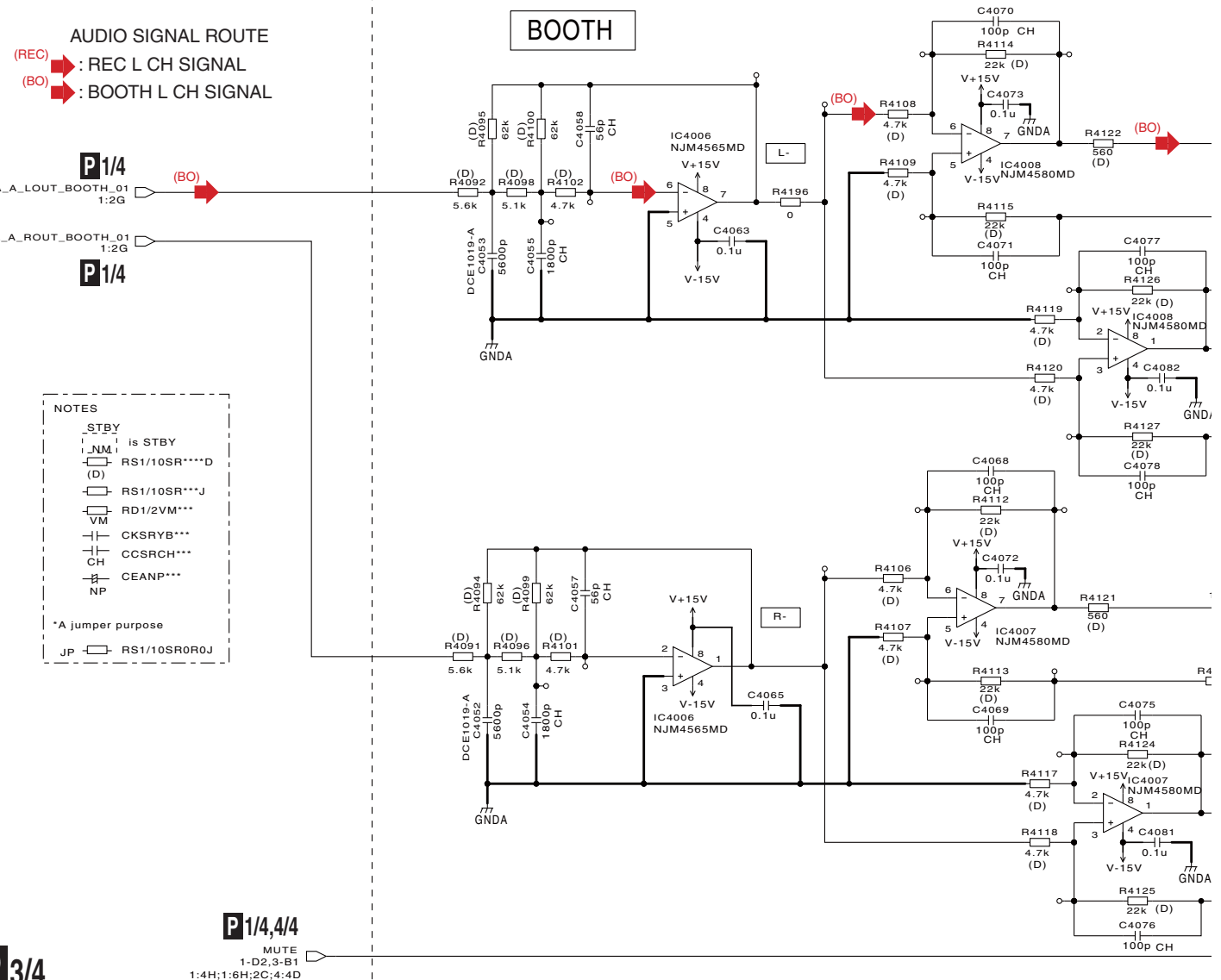
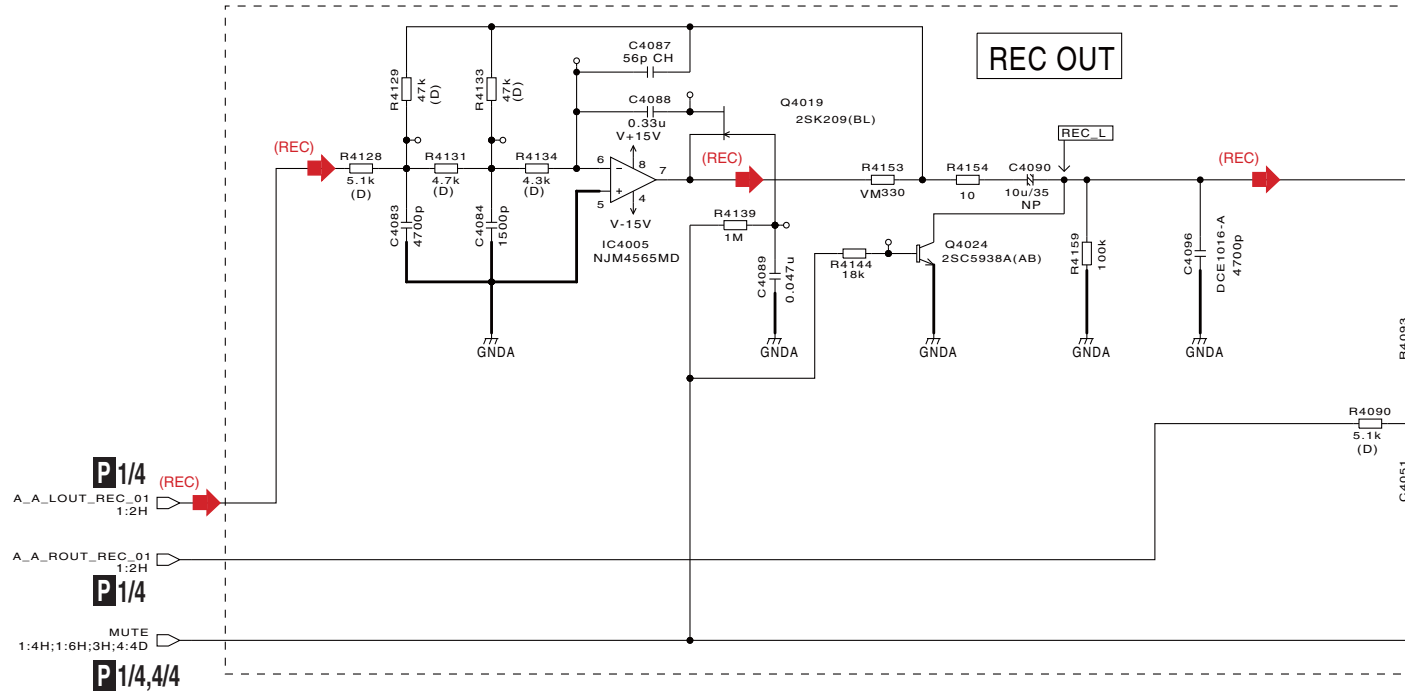
B

C

D

E

F



NOTES

- STBY is STBY
- RS1/10SR***D
- RS1/10SR***J
- RD1/2VM***
- CKSRVB***
- CCSRCH***
- CEANP***
- *A jumper purpose
- JP RS1/10SR0R0J

P3/4

A



10.26 OUTPUT ASSY (4/4)

A

B

C

D

E

F

G

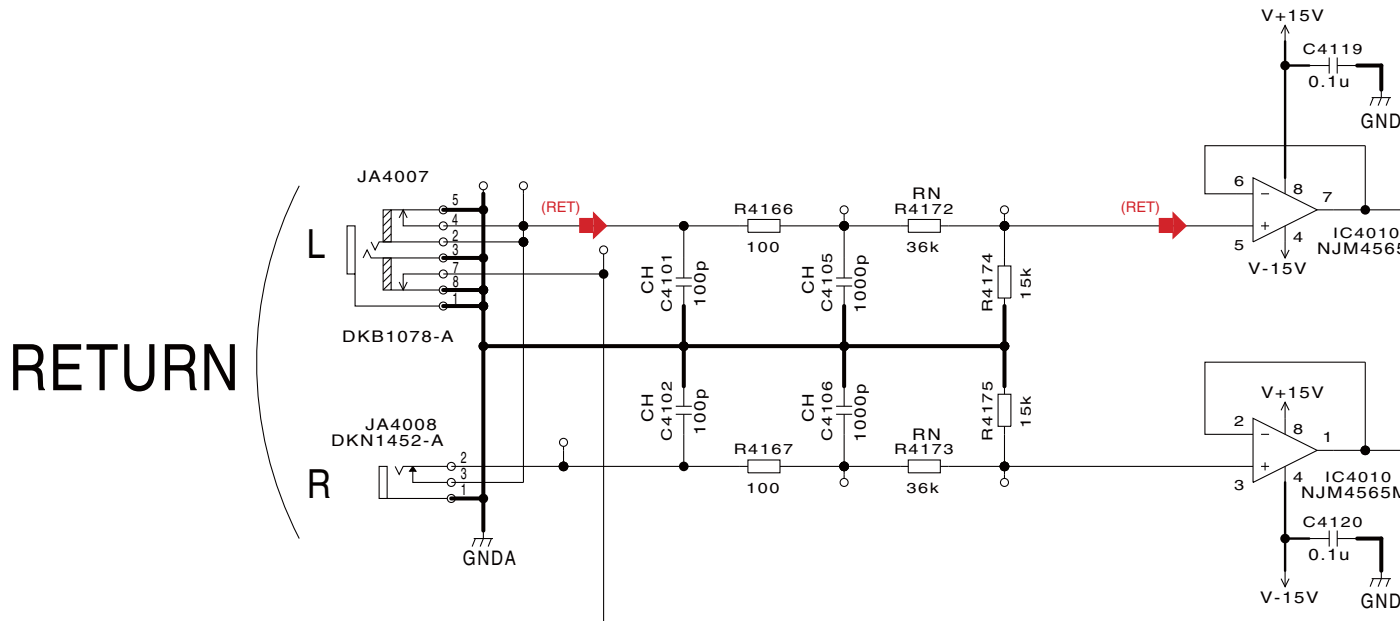
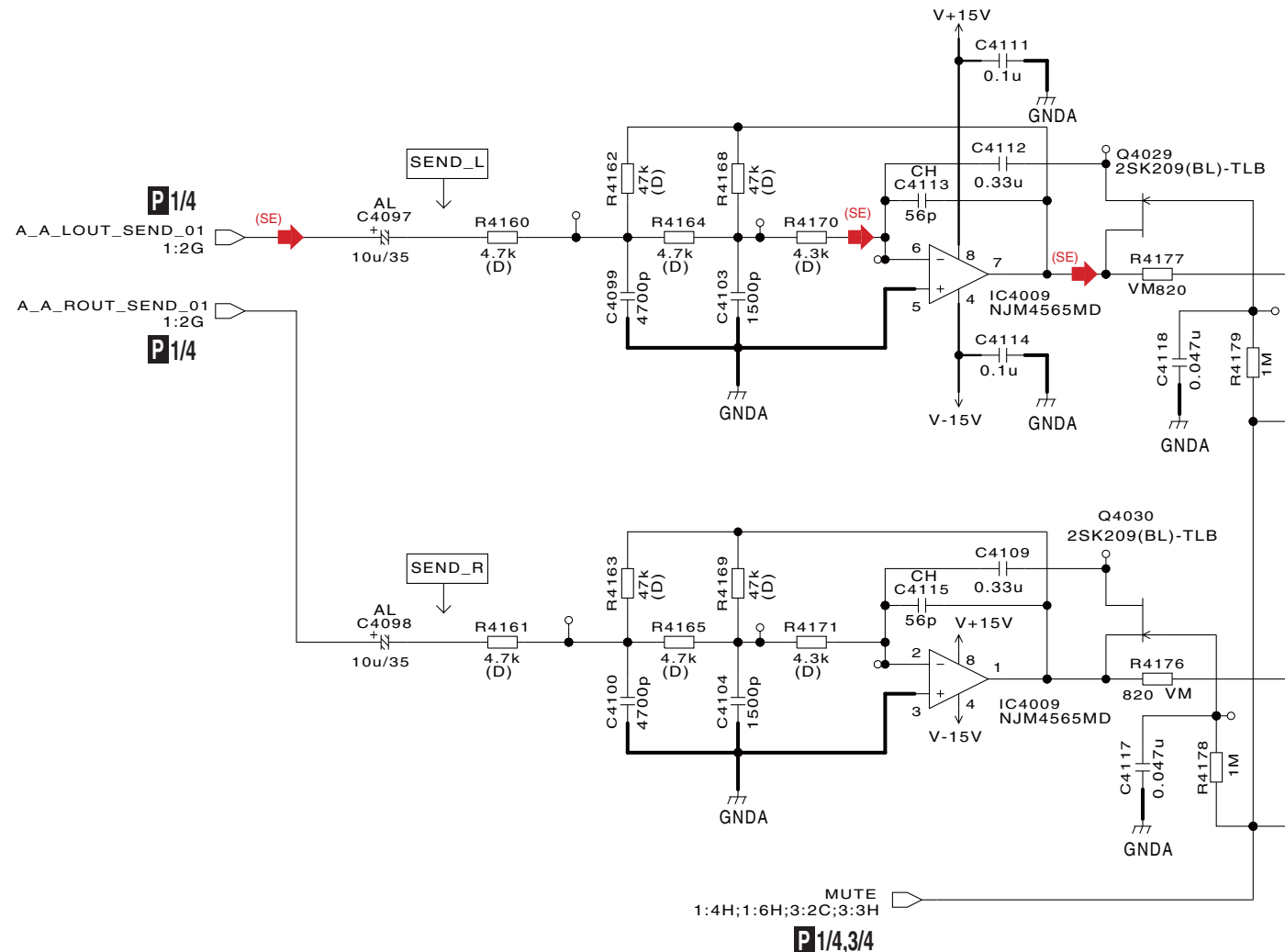
H

I

J

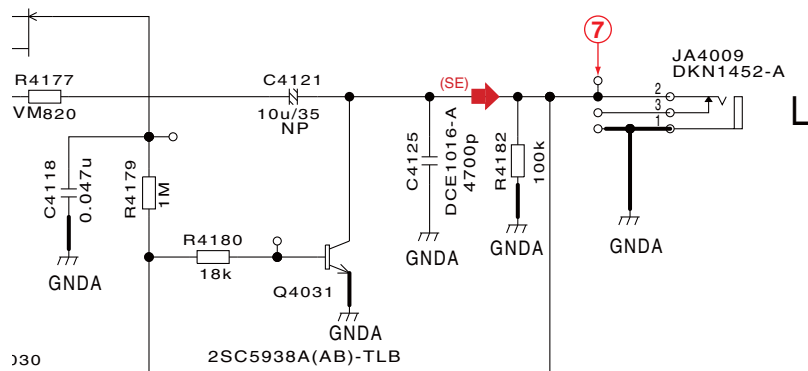
K

L

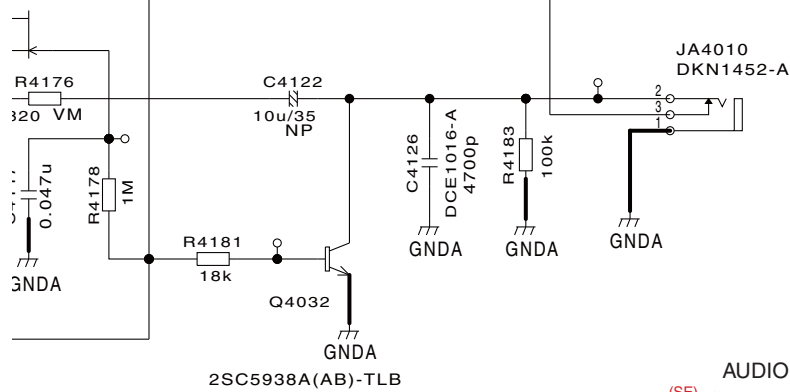


P4/4 OUTPUT ASSY (DWX2954)

14029
SK209(BL)-TLB



030
9(BL)-TLB



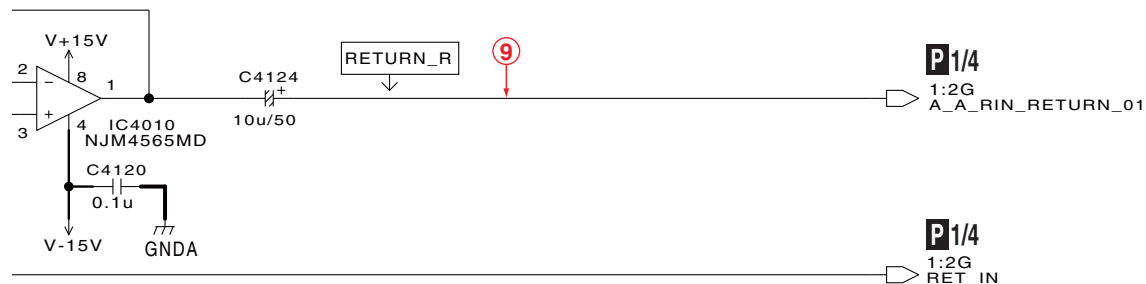
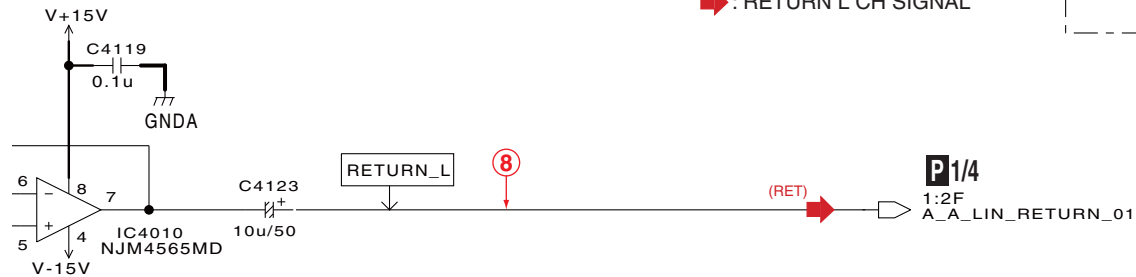
SEND

NOTES

- RS1/10SR****D
- (D)
- RS1/10SR***J
- VM
- RD1/2VM***
- CKSRYB***
- CCSRCH***
- CH
- CEAT***
- AL
- CEAL***
- NP
- CEANP***

AUDIO SIGNAL ROUTE

- (SE) : SEND L CH SIGNAL
- (RET) : RETURN L CH SIGNAL



P4/4

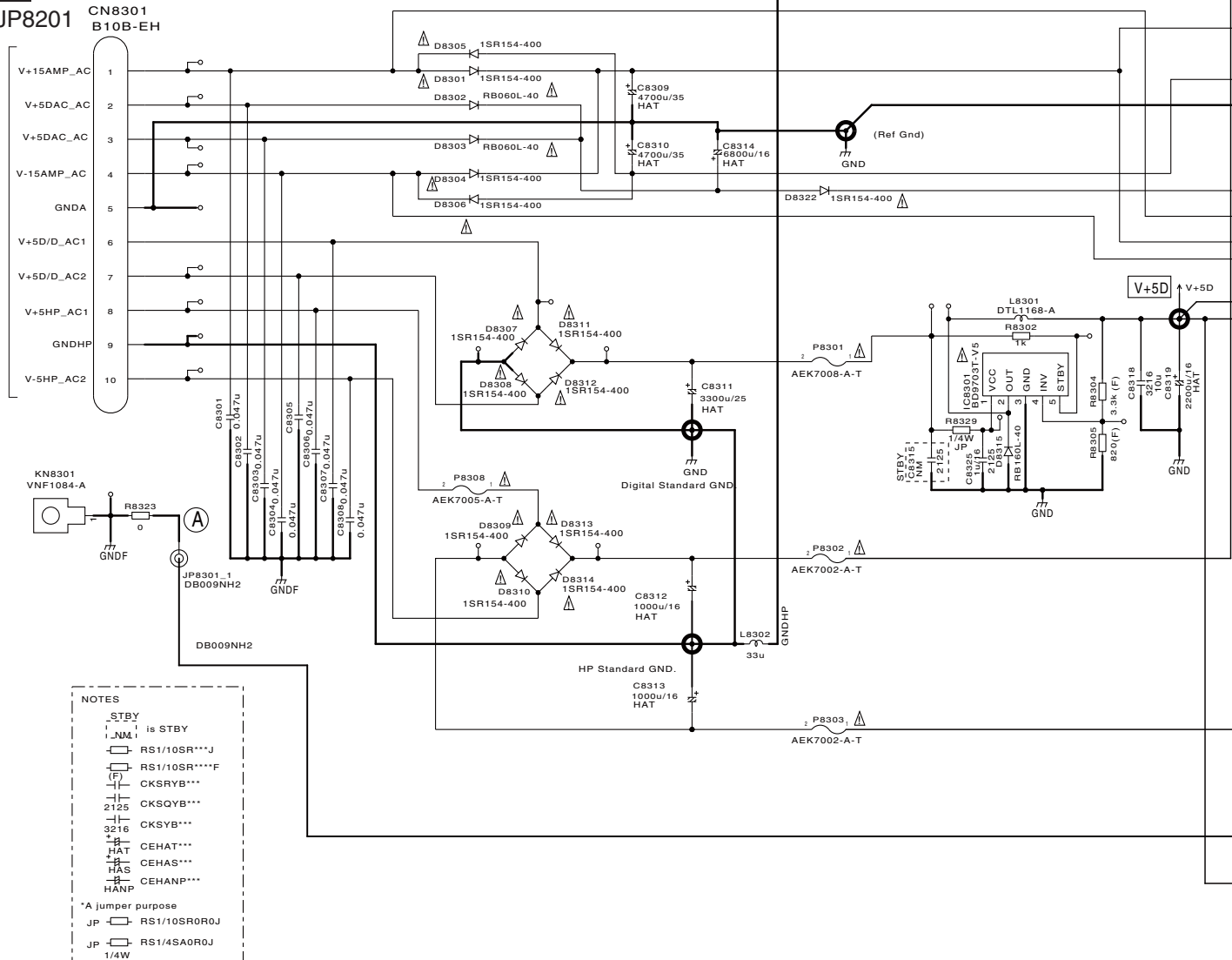
DJM-5000

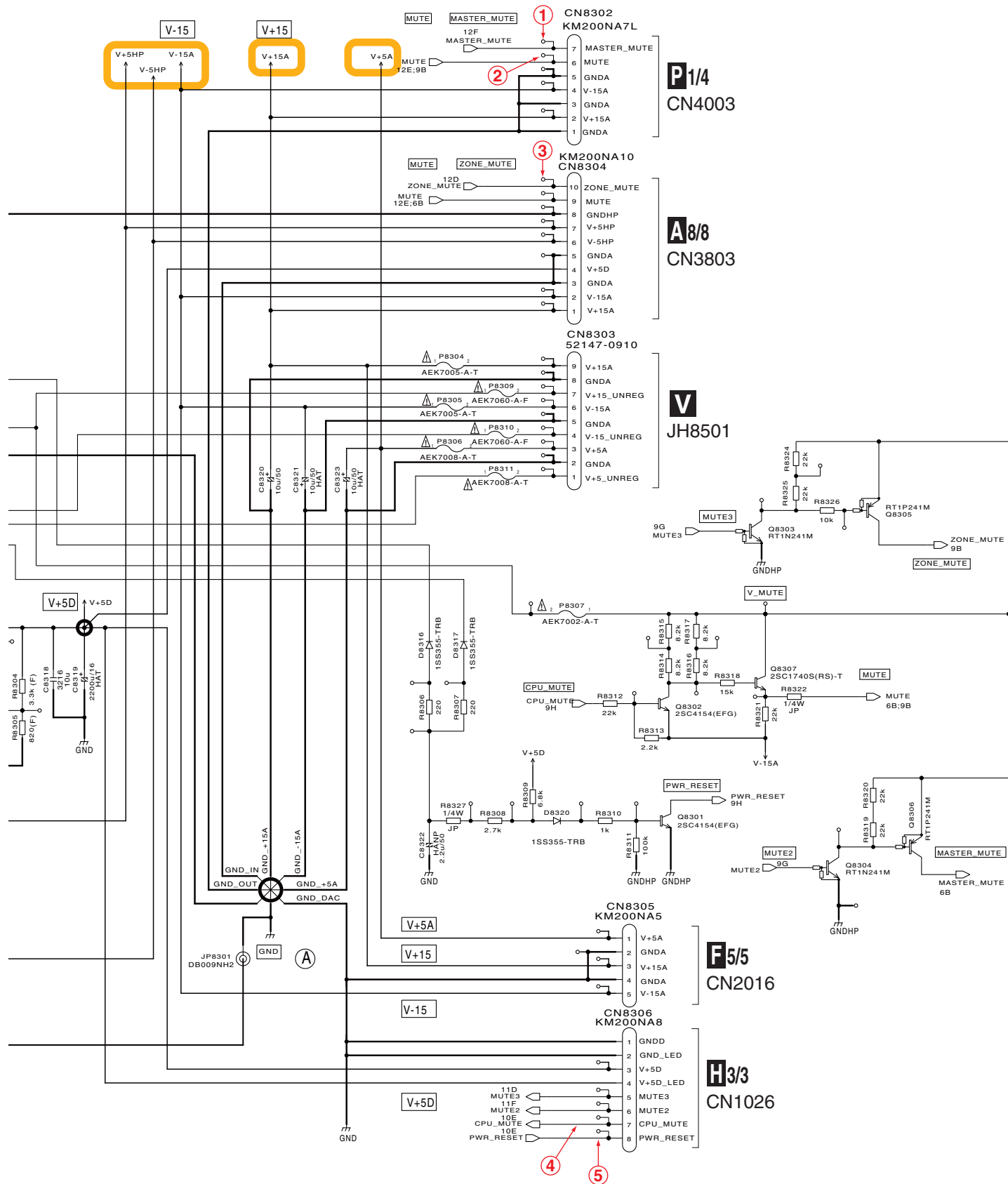
103

Q PWR SECONDARY ASSY (DWR1449)

AEK7008- 491.800PAR (800mA)
MFD. BY LITTELFUSE INC. FOR P8301,P8306,P8311
AEK7005- 491.500PAR (500mA)
MFD. BY LITTELFUSE INC. FOR P8304,P8305,P8308
AEK7060- 491.500PF002 (500mA)
MFD. BY LITTELFUSE INC. FOR P8309,P8310
AEK7002- 491.250PAR (250mA)
MFD. BY LITTELFUSE INC. FOR P8302,P8303,P8307

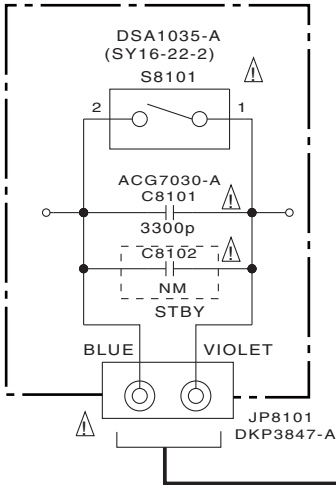
T
JP8201 CN8301
B10B-EH



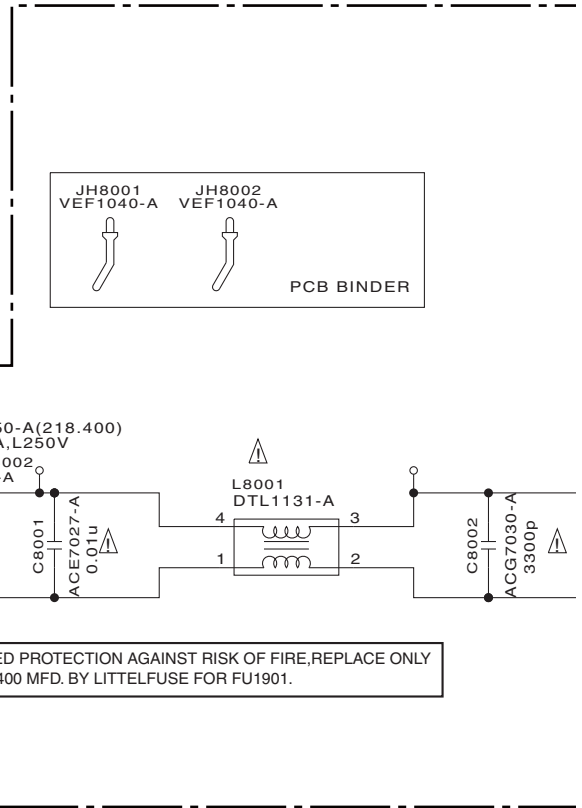


10.28 PRIMARY, PWR SW and TRANS ASSYS

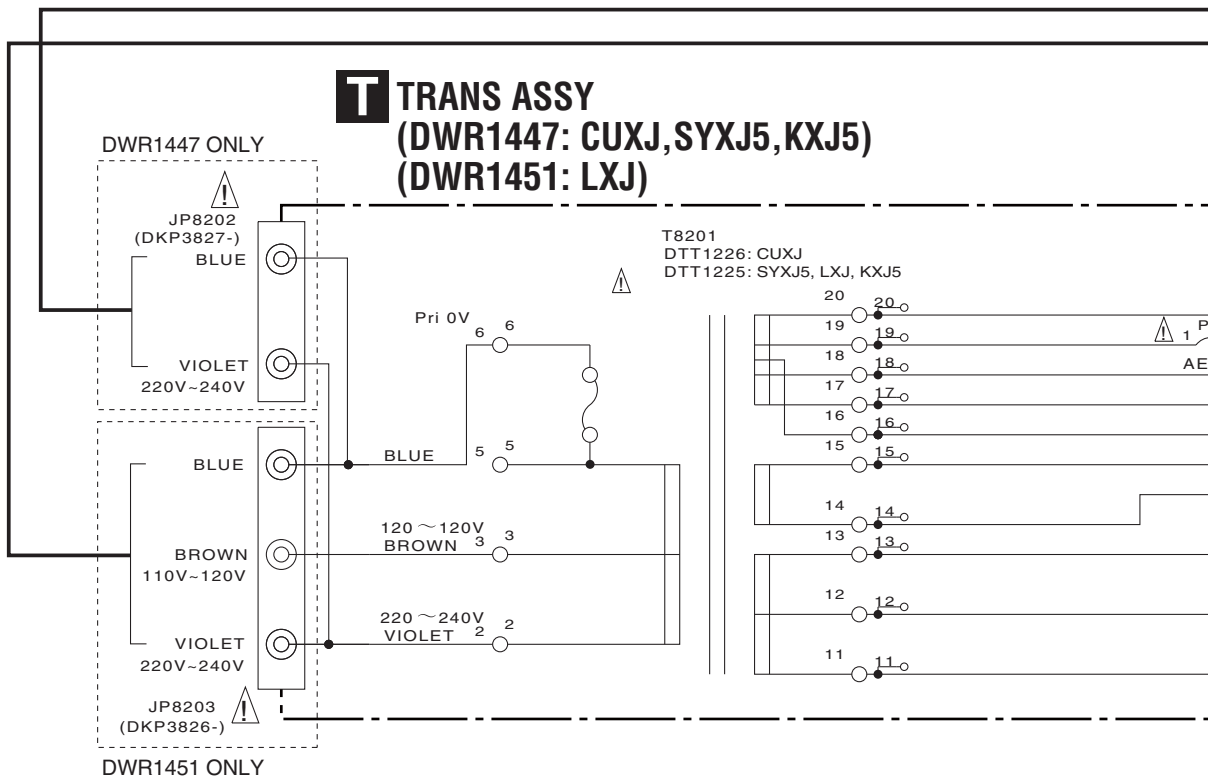
S PWR SW ASSY (DWR1445)



R PRIMARY ASSY (DWR1446: CUXJ, SYXJ5, KXJ5) (DWR1450: LXJ)



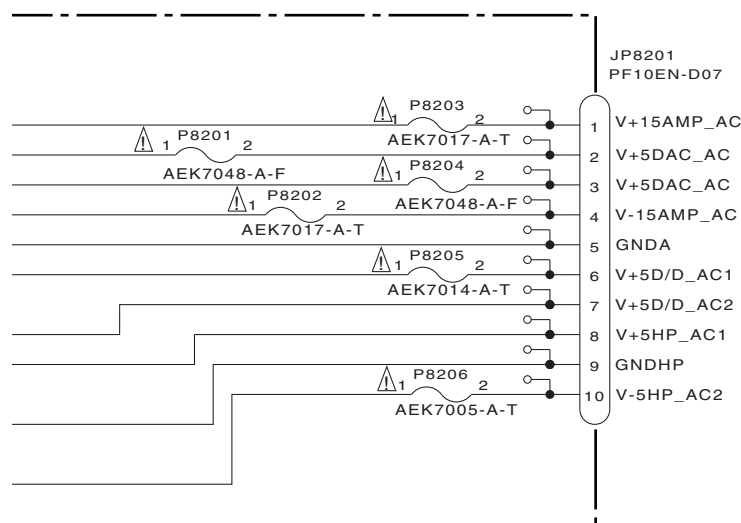
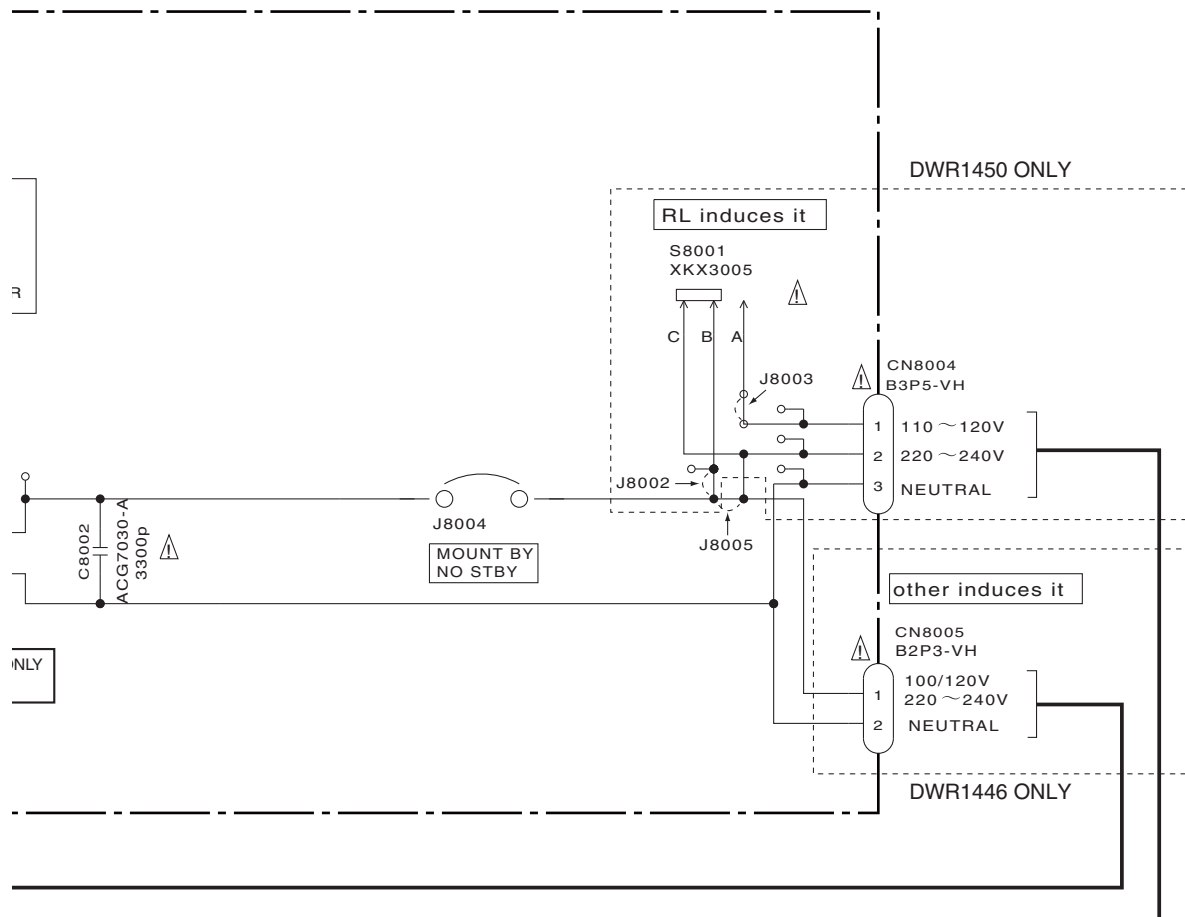
T TRANS ASSY (DWR1447: CUXJ, SYXJ5, KXJ5) (DWR1451: LXJ)



R S T

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

15, KXJ5)



Q
CN8301

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE NO.

AEK7017- 49103.5PAR (3.5A)
MFD. BY LITTELFUSE INC. FOR P8202,P8203
AEK7014- 49102.5PAR (2.5A)
MFD. BY LITTELFUSE INC. FOR P8205
AEK7048- 4911.25PF002 (1.25A)
MFD. BY LITTELFUSE INC. FOR P8201,P8204
AEK7005- 491.500PAR (500mA)
MFD. BY LITTELFUSE INC. FOR P8206

NOTES

STBY
NM is STBY

A



4

C



—||— CKSRYB***

F

10.30 VOLTAGES

Measurement Conditioin

Input connectors	CD/LINE	Nothing
	DIGITAL	Nothing
	RETURN	Nothing
	USB	Nothing
	MIC1/2/3	Nothing
Output connectors	MASTER1	Non connction
	MASTER2	Non connction
	REC	Non connction
	BOOTH	Non connction
	ZONE	Non connction
	SEND	Non connction
	HP	Non connction
MIC	MIC LEVEL 1	Max
	MIC LEVEL 2	Max
	MIC EQ HI	Center
	MIC EQ MID	Center
	MIC EQ LOW	Center
	MIC TKOV	Off
FADER ST		All ch off
HP	HP LEVEL	Max
CH	INPUT SELECT	CD
	TRIM	Max
	EQ HI	Center
	EQ MID	Center
	EQ LOW	Center
	CUE	All off
	FADER	All Max
	CROSS FADER ASSIGN	All ch THRU
CRS FADER		Center
MASTER	LEVEL	Max
	BALANCE	Center
	CUE	Off
	MONO/ST	ST
BOOTH MONITOR		Max
ZONE	LEVEL	Max
	CUE	Off
	ZONE ASSIGN	CH 1
	ON/OFF	Off
CRS FADER CURVE		Flat
REAR	MASTER ATT	0dB
	ZONE ATT	0dB

A ■ VOLTAGES

F 1/5 DAC ASSY

IC2013 (PCM1804DB)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.47	15	1.22
2	0	16	1.61
3	2.5	17	1.62
4	1.8	18	1.62
5	3.21	19	3.22
6	0	20	(N.C)
7	0	21	(N.C)
8	3.29	22	4.9
9	3.29	23	0
10	0	24	3.21
11	0	25	0
12	0	26	2.51
13	0	27	0
14	3.29	28	2.47

F 1/5 DAC ASSY

IC2014 (PCM1804DB)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.47	15	1.22
2	0	16	1.62
3	2.5	17	1.62
4	1.8	18	1.62
5	3.21	19	3.22
6	0	20	(N.C)
7	0	21	(N.C)
8	3.29	22	4.9
9	3.29	23	0
10	0	24	3.21
11	0	25	0
12	0	26	2.51
13	0	27	0
14	3.29	28	2.47

F 1/5 DAC ASSY

IC2015 (PCM1804DB)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.47	15	1.22
2	0	16	1.61
3	2.5	17	1.62
4	1.8	18	1.62
5	3.21	19	3.21
6	0	20	(N.C)
7	0	21	(N.C)
8	3.29	22	4.9
9	3.29	23	0
10	0	24	3.21
11	0	25	0
12	0	26	2.51
13	0	27	0
14	3.29	28	2.47

F 1/5 DAC ASSY

IC2016 (PCM1804DB)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.47	15	1.22
2	0	16	1.62
3	2.5	17	1.62
4	1.8	18	1.61
5	3.21	19	3.21
6	0	20	(N.C)
7	0	21	(N.C)
8	3.29	22	4.9
9	3.29	23	0
10	0	24	3.21
11	0	25	0
12	0	26	2.51
13	0	27	0
14	3.29	28	2.47

F 2/5 DAC ASSY

IC2017 (AK4387ET)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.66	9	(N.C)
2	1.68	10	2.45
3	0	11	2.45
4	1.63	12	2.43
5	3.21	13	0
6	3.29	14	4.92
7	0	15	4.88
8	0	16	(N.C)

F 2/5 DAC ASSY

IC2018 (AK4387ET)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.65	9	(N.C)
2	1.68	10	2.44
3	0	11	2.44
4	1.63	12	2.44
5	3.21	13	0
6	3.29	14	4.92
7	0	15	4.88
8	0	16	(N.C)

F 2/5 DAC ASSY

IC2019 (AK4382AVT)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.65	9	2.45
2	1.68	10	2.45
3	0	11	2.43
4	1.62	12	2.44
5	3.21	13	0
6	3.29	14	4.92
7	3.25	15	(N.C)
8	3.25	16	(N.C)

F 2/5 DAC ASSY

IC2020 (AK5381VT)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.44	9	1.33
2	2.44	10	1.62
3	0	11	1.62
4	2.44	12	1.68
5	0	13	3.29
6	4.91	14	0
7	3.53	15	0
8	0	16	0

F 2/5 DAC ASSY

IC2021 (AK4387ET)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.62	9	(N.C)
2	1.68	10	2.45
3	0	11	2.45
4	1.62	12	2.45
5	3.21	13	0
6	3.29	14	4.91
7	0	15	4.87
8	0	16	(N.C)

F 2/5 DAC ASSY

IC2022 (AK4387ET)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.67	9	(N.C)
2	1.68	10	2.45
3	0	11	2.45
4	1.62	12	2.44
5	3.21	13	0
6	3.29	14	4.92
7	0	15	4.88
8	0	16	(N.C)

F 2/5 DAC ASSY

IC2023 (AK4387ET)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.62	9	(N.C)
2	1.68	10	2.45
3	0	11	2.45
4	1.62	12	2.45
5	3.21	13	0
6	3.29	14	4.91
7	0	15	4.87
8	0	16	(N.C)

F 2/5 DAC ASSY

IC2024 (AK5358AET)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.44	9	1.38
2	2.44	10	1.62
3	0	11	1.62
4	2.44	12	1.68
5	0	13	3.21
6	4.91	14	0
7	3.62	15	0
8	0	16	0

F 3/5 DAC ASSY

IC2025 (AK4117VF)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.1	13	0
2	3.25	14	1.64
3	(N.C)	15	0
4	0	16	(N.C)
5	0.07	17	0.81
6	3.25	18	0
7	0	19	3.25
8	0	20	1.64
9	(N.C)	21	(N.C)
10	0	22	3.25
11	1.62	23	3.22
12	0	24	0

F 3/5 DAC ASSY

IC2026 (AK4117VF)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.19	13	0
2	3.25	14	1.64
3	(N.C)	15	0
4	0	16	(N.C)
5	0.07	17	0.8
6	3.25	18	0
7	0	19	3.25
8	0	20	1.64
9	(N.C)	21	(N.C)
10	0	22	3.25
11	1.62	23	3.22
12	0	24	0

F 3/5 DAC ASSY

IC2027 (AK4387ET)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.69	9	(N.C)
2	1.6	10	2.45
3	0	11	2.44
4	1.61	12	2.44
5	3.24	13	0
6	0.15	14	4.9
7	3.25	15	4.87
8	3.25	16	(N.C)

F 3/5 DAC ASSY

IC2028 (AK4387ET)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.69	9	(N.C)
2	1.6	10	2.45
3	0	11	2.44
4	1.61	12	2.44
5	3.24	13	0
6	0.15	14	4.9
7	3.25	15	4.9
8	3.25	16	(N.C)

F 4/5 DAC ASSY

IC2036 (AK4387ET)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.69	9	(N.C)
2	1.6	10	2.45
3	0	11	2.45
4	1.61	12	2.44
5	3.25	13	0
6	0.15	14	4.9
7	3.26	15	4.88
8	3.25	16	(N.C)

F 4/5 DAC ASSY

IC2040 (AK4387ET)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.69	9	(N.C)
2	1.6	10	2.45
3	0	11	2.44
4	1.6	12	2.44
5	3.24	13	0
6	0.15	14	4.9
7	3.25	15	4.87
8	3.25	16	(N.C)

F 4/5 DAC ASSY

IC2041 (AK4387ET)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.69	9	(N.C)
2	1.6	10	2.44
3	0	11	2.44
4	1.61	12	2.45
5	3.25	13	0
6	0.15	14	4.9
7	3.25	15	4.88
8	3.25	16	(N.C)

F 5/5 DAC ASSY

IC2044 (S-1200B33-M5)

Pin No	Voltage(V)
1	4.91
2	0
3	4.91
4	(N.C)
5	3.29

F 4/5 DAC ASSY

IC2307 (TUSB3200ACPAH)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.26	27	4.98
2	3.26	28	0
3	(N.C)	29	0
4	(N.C)	30	0
5	0	31	(N.C)
6	3.25	32	(N.C)
7	3.25	33	0
8	0.01	34	0
9	3.24	35	0
10	0	36	0
11	0	37	0
12	3.25	38	0
13	(N.C)	39	0
14	3.25	40	(N.C)
15	3.25	41	0.52
16	0	42	0
17	0.04	43	4.98
18	0	44	0
19	(N.C)	45	(N.C)
20	(N.C)	46	0
21	0	47	0
22	0	48	0
23	0	49	0
24	0	50	0
25	0.98	51	0
26	0.98	52	0

H 1/3 MAIN ASSY

IC1001 (BU4230G)

Pin No	Voltage(V)
1	3.27
2	3.27
3	0
4	(N.C)
5	1.75

H 3/3 MAIN ASSY

IC1022 (BD9106FVM)

Pin No	Voltage(V)
1	0.79
2	0.82
3	4.87
4	0
5	0
6	1.18
7	4.88
8	4.88

H 3/3 MAIN ASSY

IC1021 (BD9109FVM)

Pin No	Voltage(V)
1	3.28
2	0.99
3	4.92
4	0
5	0
6	3.28
7	4.92
8	4.92

H 3/3 MAIN ASSY

IC1023 (S-1200B25-M5)

Pin No	Voltage(V)
1	3.28
2	0
3	3.28
4	(N.C)
5	2.50

H 1/3 MAIN ASSY

IC1006 (DYW1783-A)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	0	51	0
2	0	52	0.23
3	0	53	0.23
4	0	54	0.23
5	0	55	0.23
6	3.27	56	0.23
7	3.27	57	0.23
8	3.27	58	0.23
9	0	59	0.23
10	0	60	0
11	0	61	0.47
12	0	62	0.47
13	0	63	0.47
14	0	64	0.47
15	0	65	0.47
16	0	66	0.47
17	0	67	0.47
18	3.27	68	0
19	1.63	69	0
20	0	70	0
21	0	71	0
22	0	72	0
23	0	73	1.65
24	0	74	1.65
25	0	75	0
26	0	76	0
27	0	77	0
28	0	78	0
29	0	79	0
30	3.27	80	0
31	0	81	0
32	0	82	0
33	0	83	0
34	0	84	0
35	0	85	0
36	0	86	0
37	0	87	3.27
38	0	88	0
39	0	89	3.27
40	0	90	3.27
41	0	91	0
42	0.4	92	0
43	0	93	0
44	0.83	94	1.67
45	0.83	95	0.05
46	0	96	2.48
47	3.27	97	0
48	0	98	0
49	0	99	3.27
50	3.27	100	3.27

H 1/3 MAIN ASSY

IC1007 (DYW1782-A)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	3.27	51	0
2	0	52	0
3	3.27	53	0
4	0	54	0
5	0	55	0
6	3.27	56	0
7	3.27	57	0.08
8	3.27	58	3.17
9	0.02	59	0
10	0	60	3.27
11	3.27	61	0.05
12	0	62	3.27
13	3.27	63	0.06
14	0	64	0
15	0	65	0
16	0	66	0
17	0	67	0
18	3.27	68	3.27
19	1.64	69	0
20	0	70	0
21	0.74	71	0
22	0.22	72	3.27
23	0.22	73	0
24	0.22	74	3.27
25	0.56	75	0
26	0.24	76	3.27
27	0.2	77	3.27
28	0.04	78	3.27
29	3.25	79	3.25
30	3.27	80	0
31	2.35	81	3.24
32	0.21	82	0
33	0.02	83	3.25
34	2.16	84	0
35	0	85	3.25
36	0	86	3.27
37	0	87	0.01
38	2.14	88	0.01
39	3.27	89	0.01
40	1.64	90	3.27
41	1.64	91	0
42	1.68	92	0
43	0.65	93	0
44	0	94	1.63
45	0.03	95	3.27
46	3.26	96	2.46
47	0	97	0
48	0	98	0
49	0	99	3.27
50	3.27	100	3.27

H 1/3 MAIN ASSY

IC1011 (XC3S50-4TQG144C)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	3.2	73	0.22
2	3.2	74	2.35
3	3.2	75	3.27
4	3.2	76	0.04
5	3.2	77	0.23
6	3.2	78	0.23
7	3.2	79	0.06
8	3.2	80	0.23
9	0	81	0
10	3.18	82	0.23
11	3.19	83	0.05
12	3.2	84	0.21
13	3.22	85	0
14	3.21	86	0
15	3.21	87	0
16	0	88	0
17	3.21	89	3.27
18	3.21	90	3.27
19	3.27	91	3.27
20	(N.C)	92	0
21	(N.C)	93	0
22	0	94	0
23	(N.C)	95	0
24	3.26	96	0
25	0.18	97	0
26	0.06	98	0
27	0.18	99	0
28	3.27	100	0
29	0	101	0
30	3.26	102	0
31	0.21	103	0
32	3.26	104	0
33	3.26	105	0
34	3.27	106	3.27
35	3.25	107	0
36	3.26	108	0
37	2.5	109	(N.C)
38	2.5	110	(N.C)
39	2.5	111	(N.C)
40	3.26	112	0
41	3.25	113	0
42	0	114	0
43	3.27	115	3.27
44	3.25	116	1.64
45	0	117	0
46	3.27	118	1.69
47	0	119	1.74
48	2.5	120	2.5
49	1.17	121	1.18
50	0	122	0
51	0	123	0
52	3.27	124	3.27
53	3.26	125	0
54	3.27	126	3.27
55	0	127	0
56	1.89	128	3.27
57	(N.C)	129	0
58	3.27	130	3.27
59	0	131	0
60	0	132	0
61	1.17	133	1.2
62	2.5	134	2.5
63	0	135	3.27
64	0	136	0
65	0	137	0
66	3.27	138	3.28
67	0	139	0
68	0	140	0
69	2.16	141	3.28
70	0.02	142	0
71	2.5	143	2.5
72	2.5	144	2.5

H 2/3 MAIN ASSY

IC1017 (D610A003BPYP A225)

Pin No	Voltage(V)	Pin No	Voltage(V)	Pin No	Voltage(V)	Pin No	Voltage(V)
1	0-3.27(flicker)	53	1.17	105	1.17	157	1.17
2	(N.C)	54	0	106	0	158	0
3	1.17	55	3.27	107	3.27	159	1.66
4	0	56	(N.C)	108	3.25	160	3.27
5	3.27	57	(N.C)	109	(N.C)	161	1.67
6	(N.C)	58	3.27	110	3.25	162	3.27
7	0	59	0	111	1.17	163	0
8	0	60	1.17	112	3.21	164	(N.C)
9	3.27	61	3.27	113	3.21	165	(N.C)
10	0	62	0	114	3.27	166	(N.C)
11	1.17	63	3.27	115	0	167	(N.C)
12	1.68	64	3.27	116	1.17	168	(N.C)
13	0	65	3.27	117	3.2	169	3.27
14	1.17	66	0	118	3.2	170	0
15	0	67	1.17	119	1.17	171	1.17
16	1.69	68	3.27	120	0	172	(N.C)
17	0	69	3.27	121	3.27	173	0
18	0	70	3.27	122	3.27	174	(N.C)
19	1.69	71	3.27	123	0	175	0
20	0	72	3.27	124	1.17	176	3.27
21	1.64	73	0	125	0	177	1.17
22	1.17	74	3.27	126	3.27	178	0
23	0	75	3.27	127	3.27	179	(N.C)
24	1.64	76	0	128	3.27	180	0
25	3.27	77	3.27	129	3.24	181	1.17
26	0	78	(N.C)(0)	130	1.7	182	0
27	0	79	3.27	131	0.11	183	3.27
28	1.68	80	1.17	132	3.2	184	0.01
29	1.17	81	0	133	1.17	185	3.27
30	0	82	(N.C)	134	0	186	3.27
31	0	83	3.27	135	(N.C)	187	3.27
32	0	84	3.27	136	(N.C)	188	3.27
33	0	85	0	137	(N.C)	189	0
34	0	86	0.02	138	3.27	190	1.17
35	1.17	87	3.27	139	1.64	191	3.27
36	(N.C)	88	0	140	1.69	192	3.27
37	0	89	1.17	141	3.27	193	3.27
38	(N.C)	90	3.25	142	0	194	0
39	0	91	0.02	143	3.26	195	1.17
40	1.17	92	0	144	3.25	196	1.17
41	0	93	0.01	145	0	197	0
42	0	94	3.25	146	3.25	198	(N.C)
43	1.17	95	0	147	3.24	199	0
44	3.27	96	1.17	148	0	200	(N.C)
45	0	97	0	149	1.17	201	1.17
46	0	98	3.27	150	3.23	202	3.25
47	3.27	99	0	151	(N.C)	203	0
48	0	100	0.02	152	(N.C)	204	1.68
49	0	101	(N.C)	153	1.69	205	3.27
50	3.27	102	3.27	154	0	206	3.27
51	3.27	103	3.26	155	1.64	207	0
52	0	104	1.17	156	3.27	208	1.17

J PANEL B ASSY

IC6004 (NJM2903M)

Pin No	Voltage(V)
1	4.92
2	0.13
3	1.67
4	0
5	1.7
6	0.13
7	4.94
8	4.88

Q PWR SECONDARY ASSY

IC8301 (BD9703T-V5)

Pin No	Voltage(V)
1	13.1
2	4.99
3	0
4	0.97
5	13.03

V REG ASSY

IC8501 (BA05T)

Pin No	Voltage(V)
1	9.24
2	0
3	5.02

V REG ASSY

IC8502 (KIA7815API)

Pin No	Voltage(V)
1	22.07
2	0
3	14.87

V REG ASSY

IC8503 (KIA7915PI)

Pin No	Voltage(V)
1	0
2	-23.6
3	-15.18

Waveform Measurement Condition

IN or OUT	Measure CH	IN CH	IN LEVEL	IN FREQUENCY	RL	Other Settings	Other Settings
IN	CD	CH1	0 dB	1K		TRIM LEVEL VR Center	
IN	LINE	CH3	0 dB	1K		TRIM LEVEL VR Center	
IN	DIGITAL	CH1	0 dB	1K		TRIM LEVEL VR Center	
IN	USB	CH2	0 dB	1K		TRIM LEVEL VR Center	
IN	MIC 1/2/3	MIC 1/2/3	-40 dB	1K		TRIM LEVEL VR Center	
IN	RETURN	RETURN	0 dB	1K		Level/Depth VR Center	
OUT	MASTER1/2	CH1/CD	0 dB	1K	10 kΩ	MASTER LEVEL Center	Center all EQs/FADER Max
OUT	BOOTH	CH1/CD	0 dB	1K	10 kΩ	BOOTH LEVEL Center	Center all EQs/FADER Max
OUT	REC	CH1/CD	0 dB	1K	10 kΩ		Center all EQs/FADER Max
OUT	SEND	CH1/CD	0 dB	1K	10 kΩ		Center all EQs/FADER Max
OUT	ZONE	CH1/CD	0 dB	1K	10 kΩ	ZONE LEVEL Center	Center all EQs/FADER Max
OUT	HP	CH1/CD	0 dB	1K	32 Ω	HP LEVEL Center	

Switch Type Setting

MASTER ATT : 0 dB

ZONE ATT : 0 dB

MONO/ST : ST

TALK OVER CURVE : NORMAL

CH FADER CURVE : FLAT

CROSS FADER CURVE : CENTER

CROSS FADER ASSIGN : THRU

MASTER CUE : ON

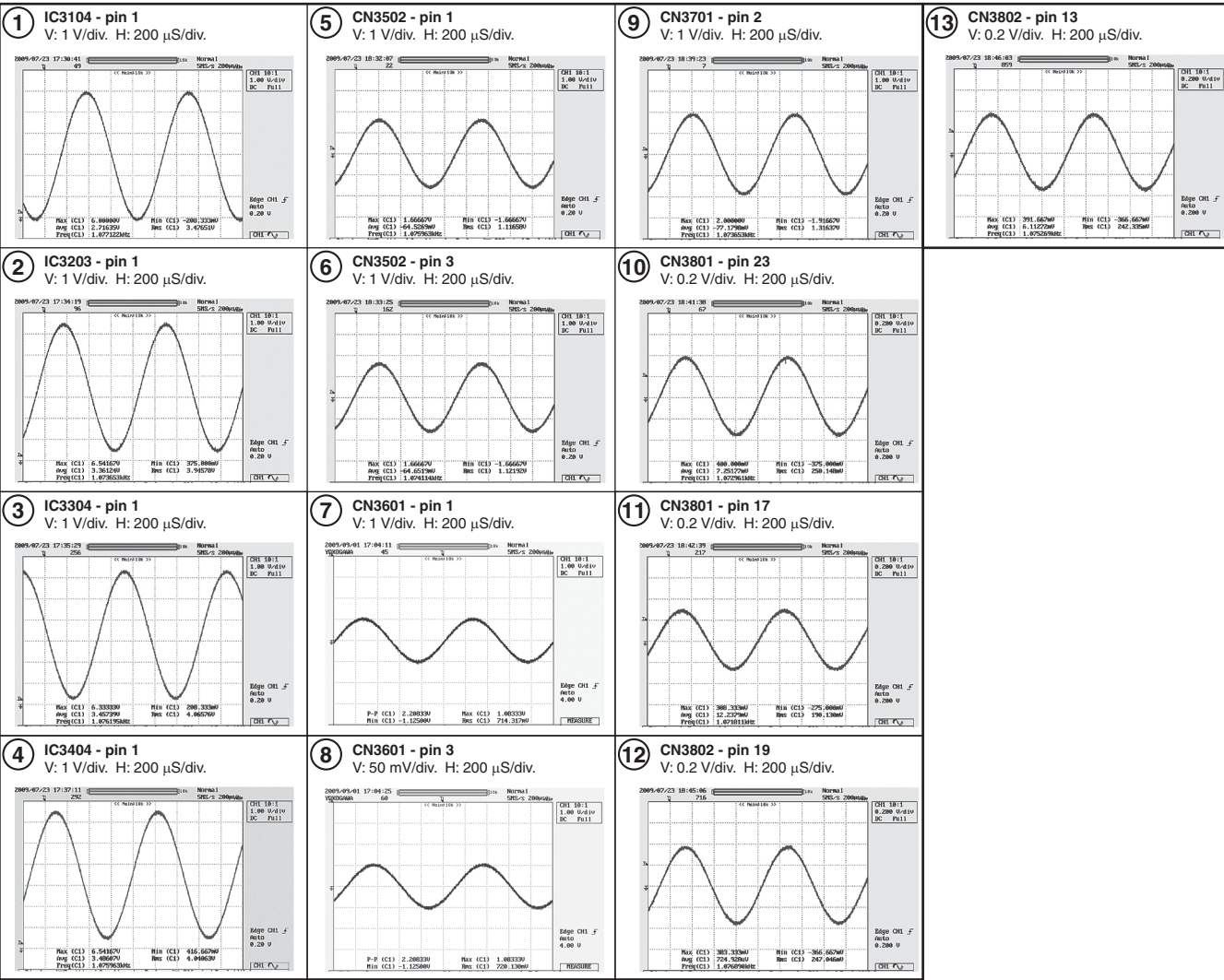
ZONE ON : ON

ZONE ASSIGN : MASTER

SEND/RETURN : MASTER

A INPUT ASSY

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.



A

F DAC ASSY

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

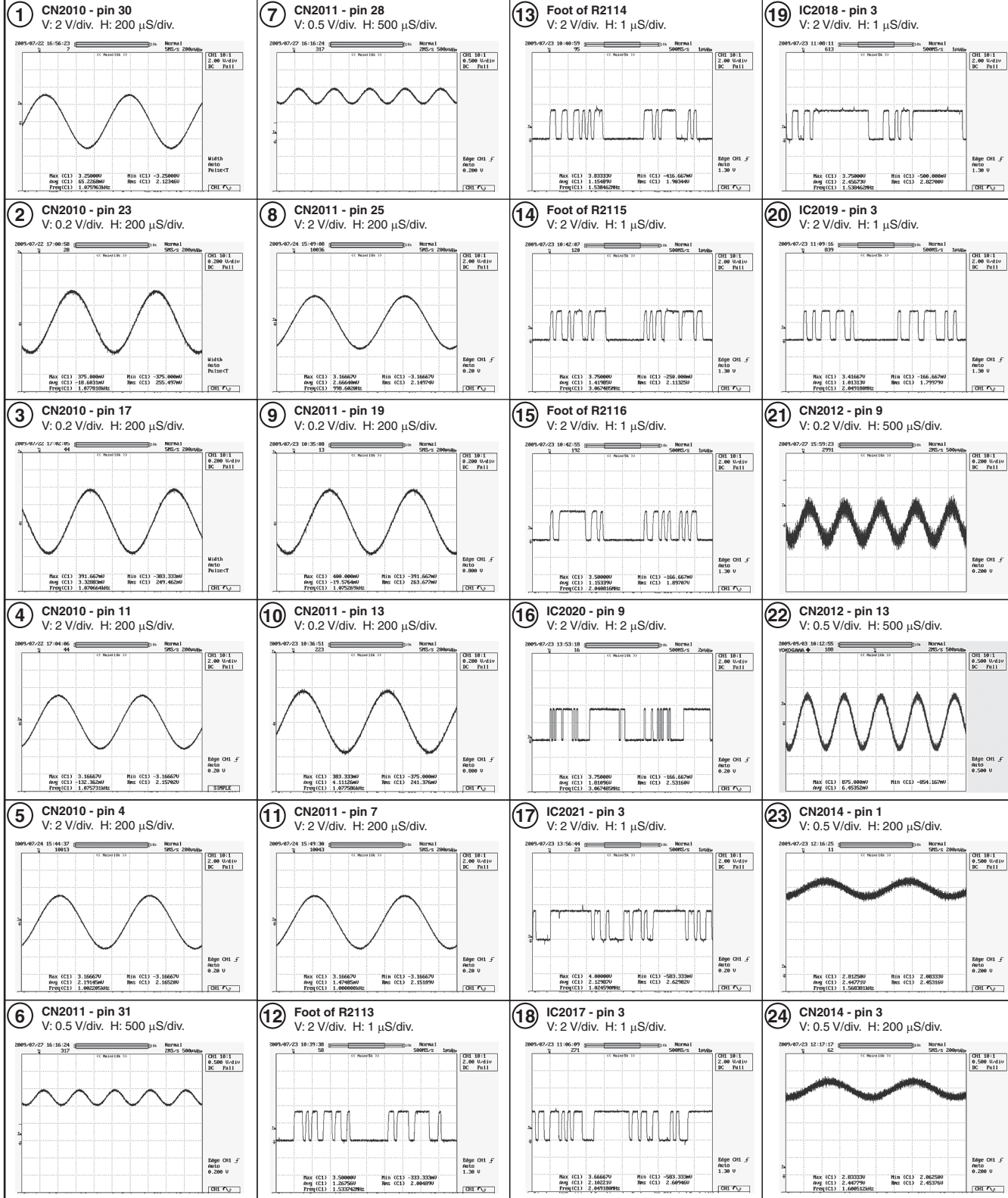
B

C

D

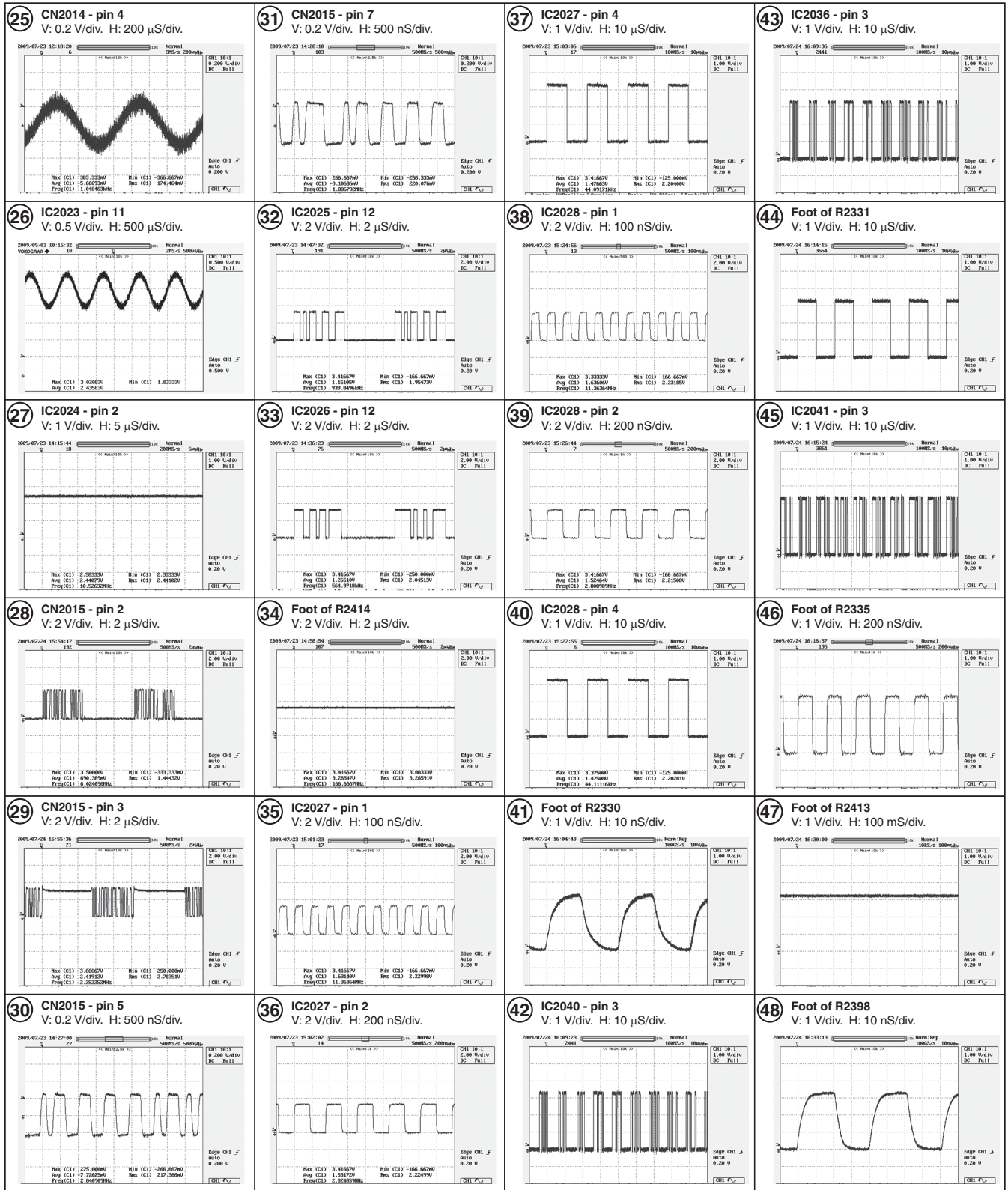
E

F



F DAC ASSY

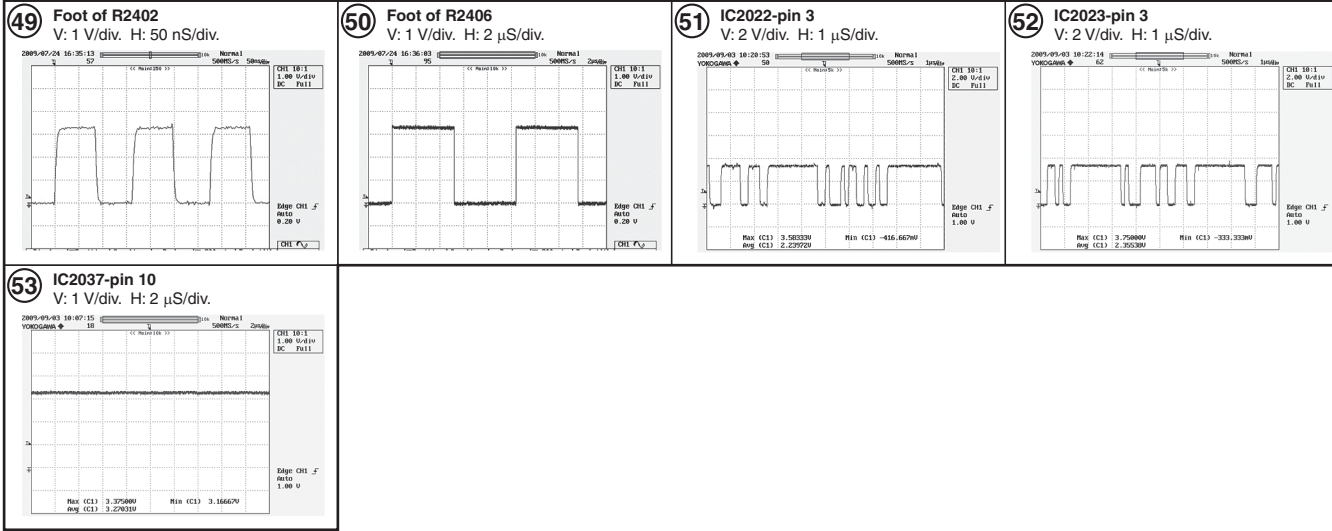
NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.



A

F DAC ASSY

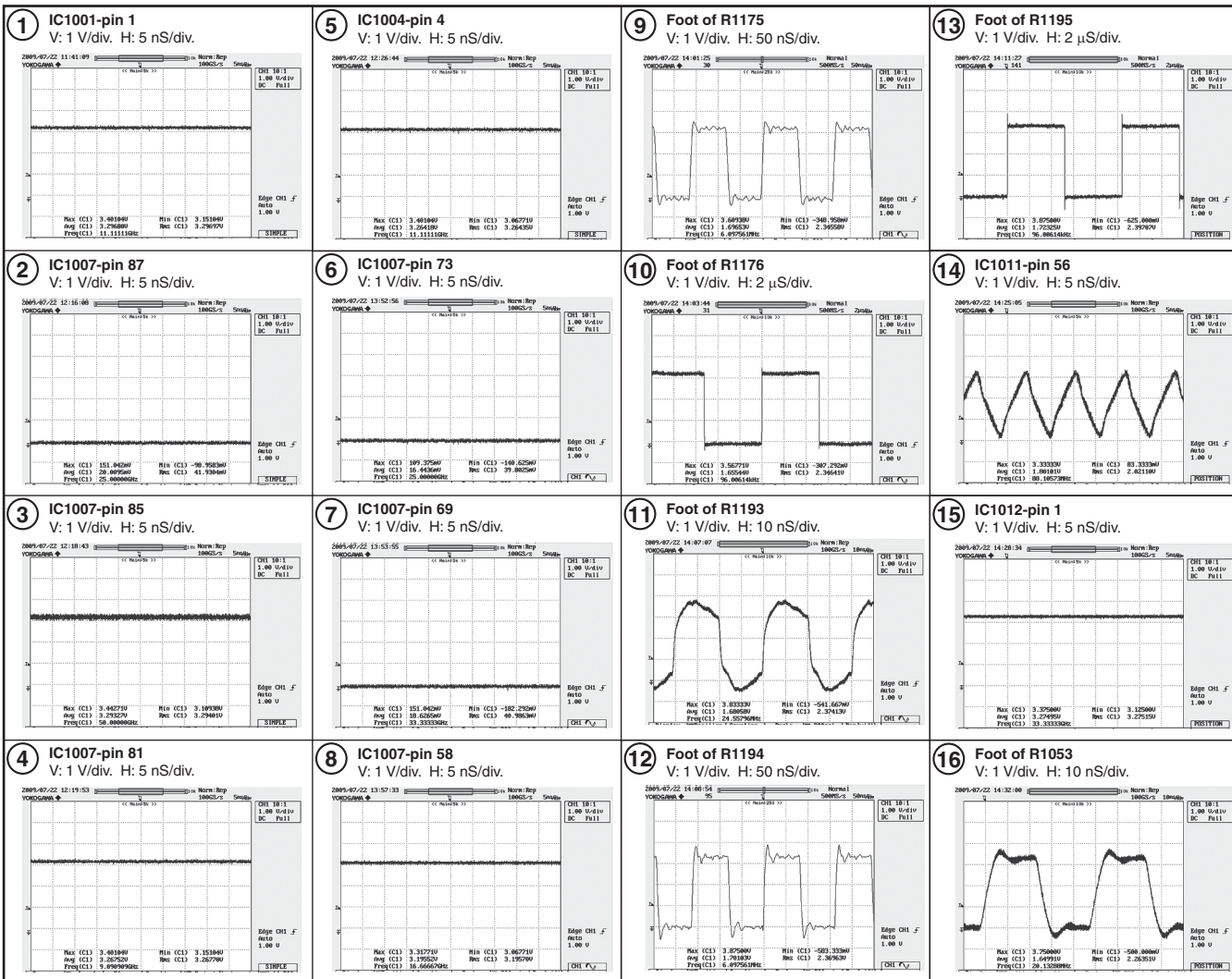
NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.



B

C

H MAIN ASSY



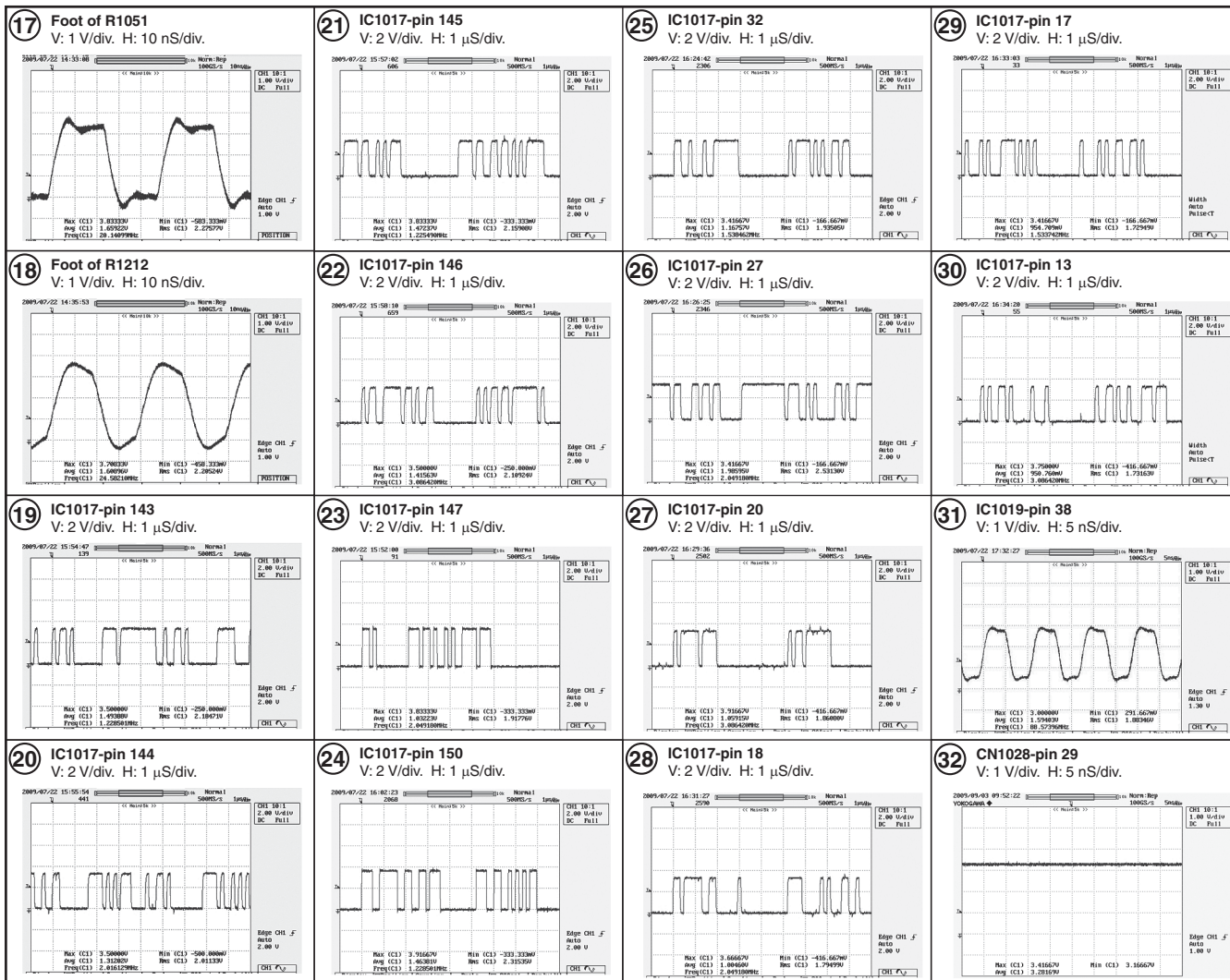
D

E

F

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

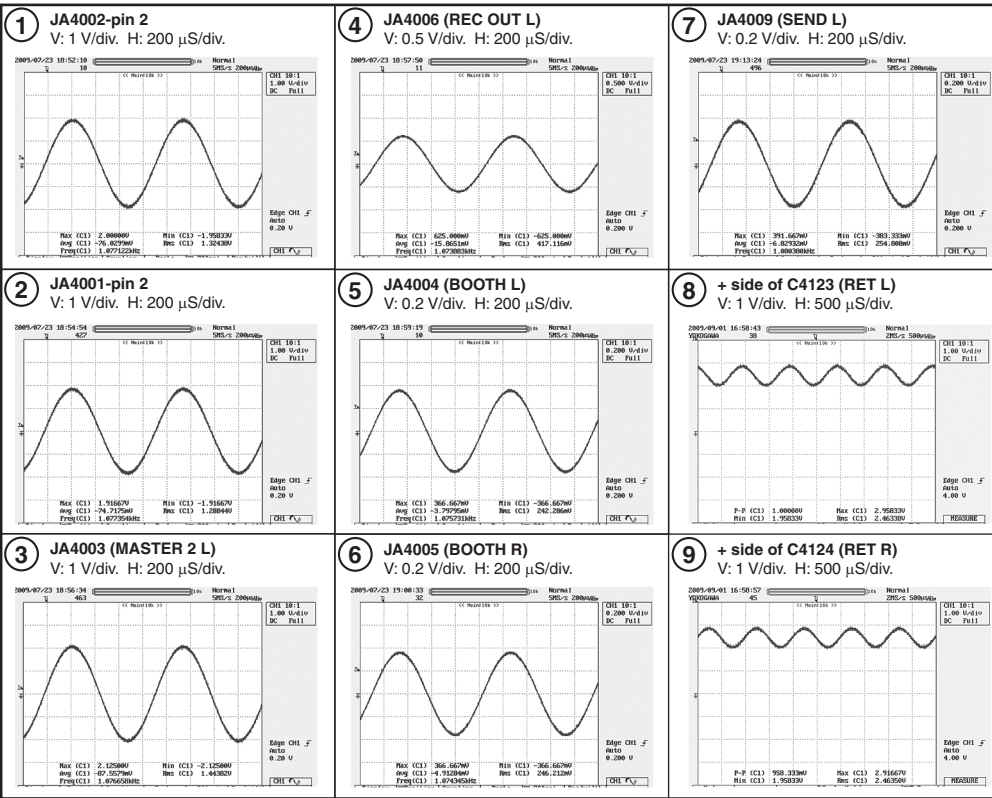
H MAIN ASSY



A

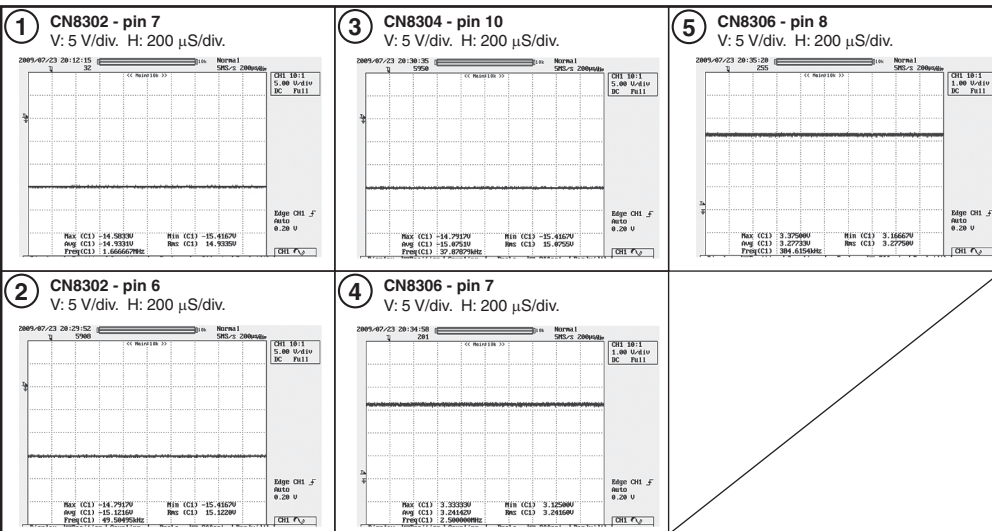
NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

P OUTPUT ASSY



D

Q PWR SECONDARY ASSY



F

■

5

■

6

■

7

■

8

■

A

■

B

■

C

■

D

■

E

■

F

■

5

■

6

■

7

■

8

■

DJM-5000

NOTE: The encircled numbers denote measuring point.

SIDE A

A

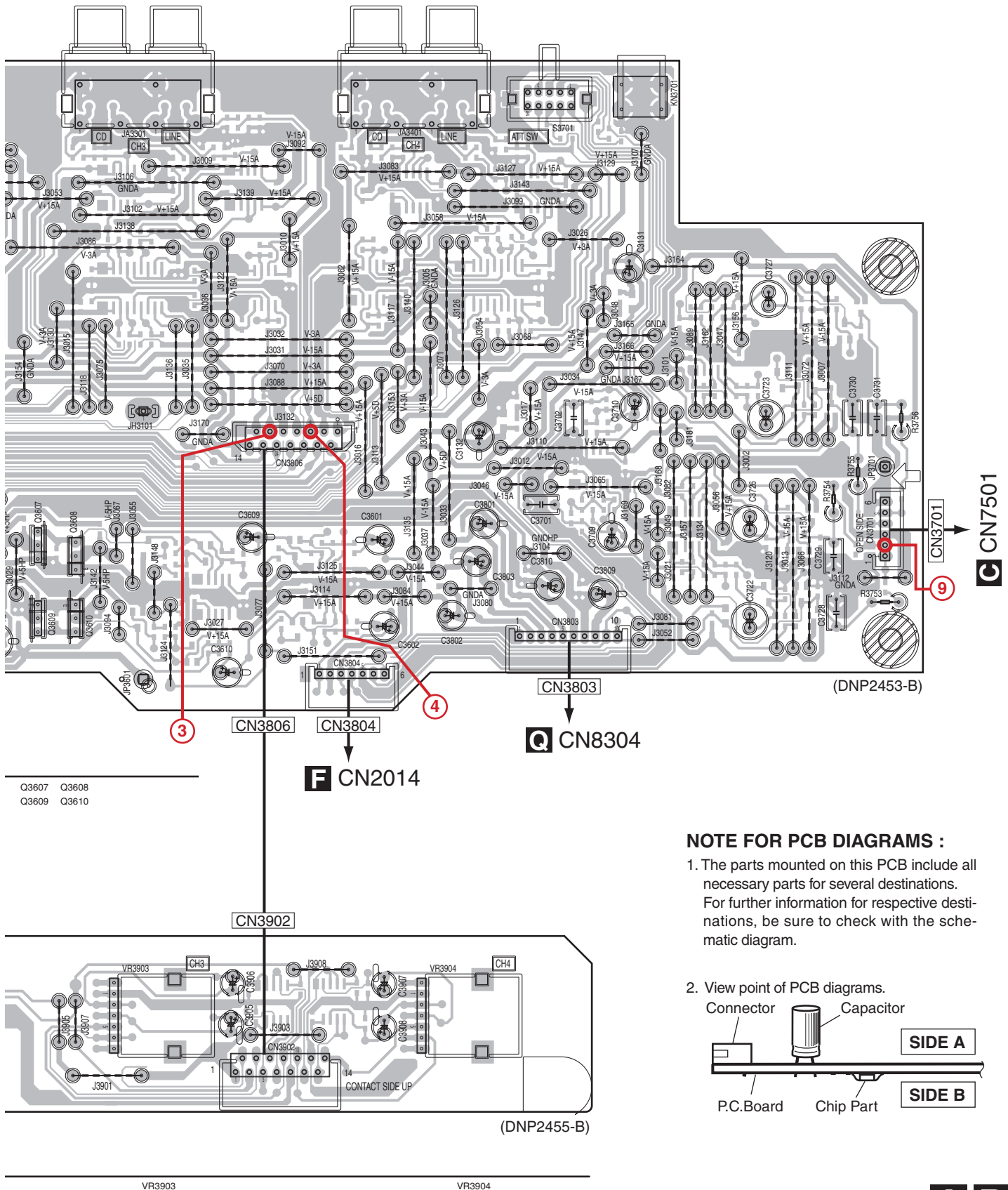
B

C

D

E

F



SIDE B

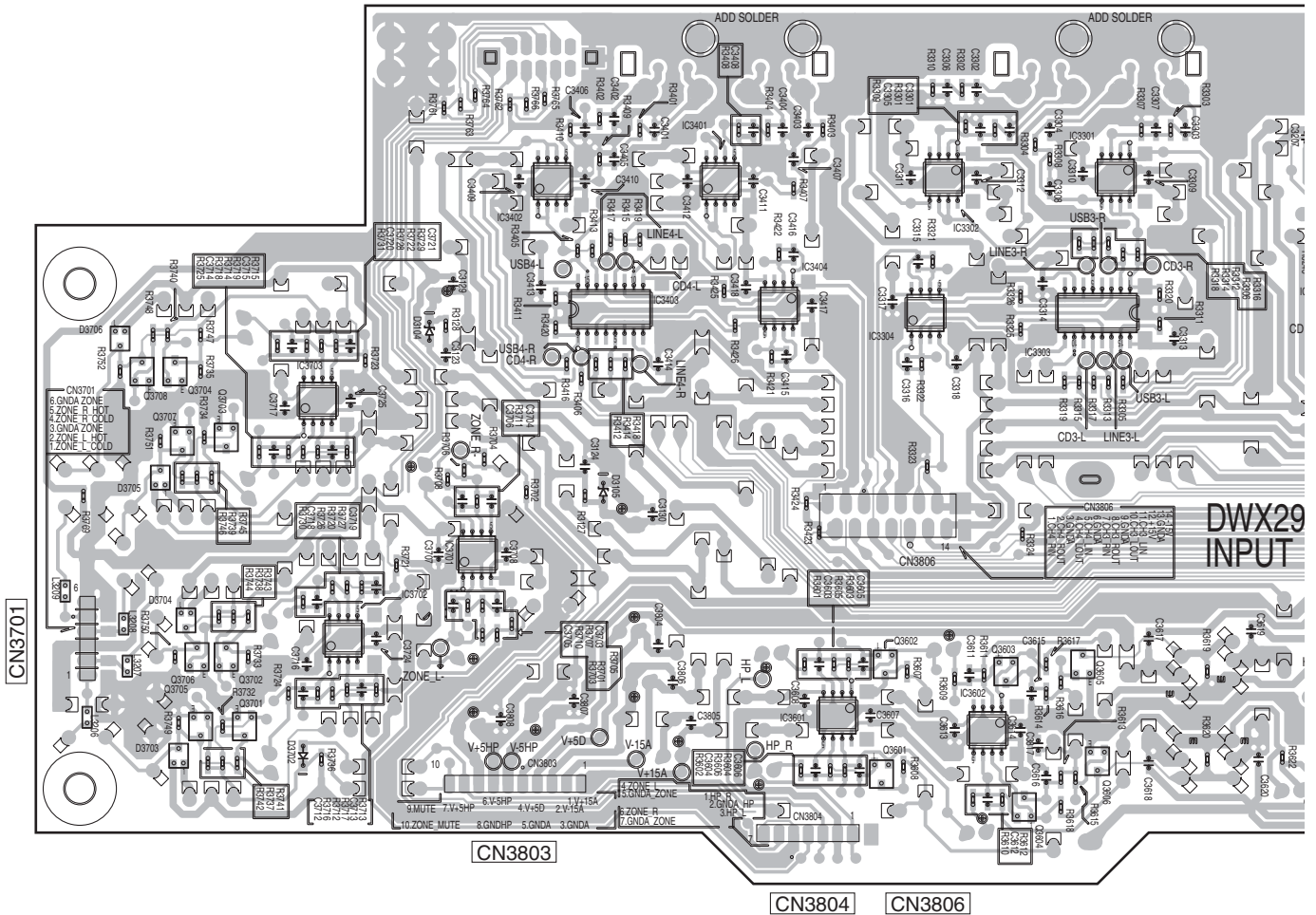
A

B

C

D

A INPUT ASSY



Q3708 Q3704
Q3707 Q3703
Q3706 Q3702
Q3705 Q3701

IC3703
IC3702

IC3701

IC3402

IC3403

IC3404

IC3601	Q3601
	Q3602

IC3302
C3304

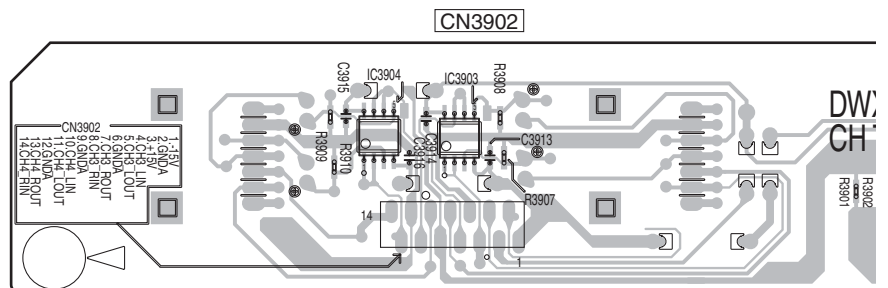
Q3603
IC3602 Q360

IC3301
IC3303

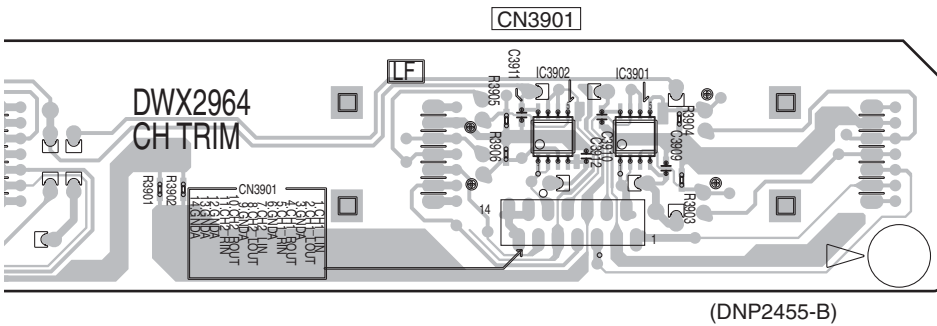
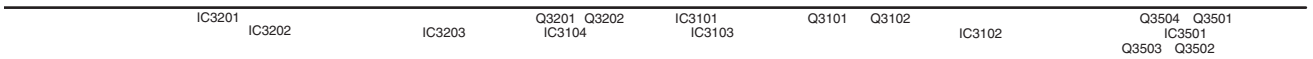
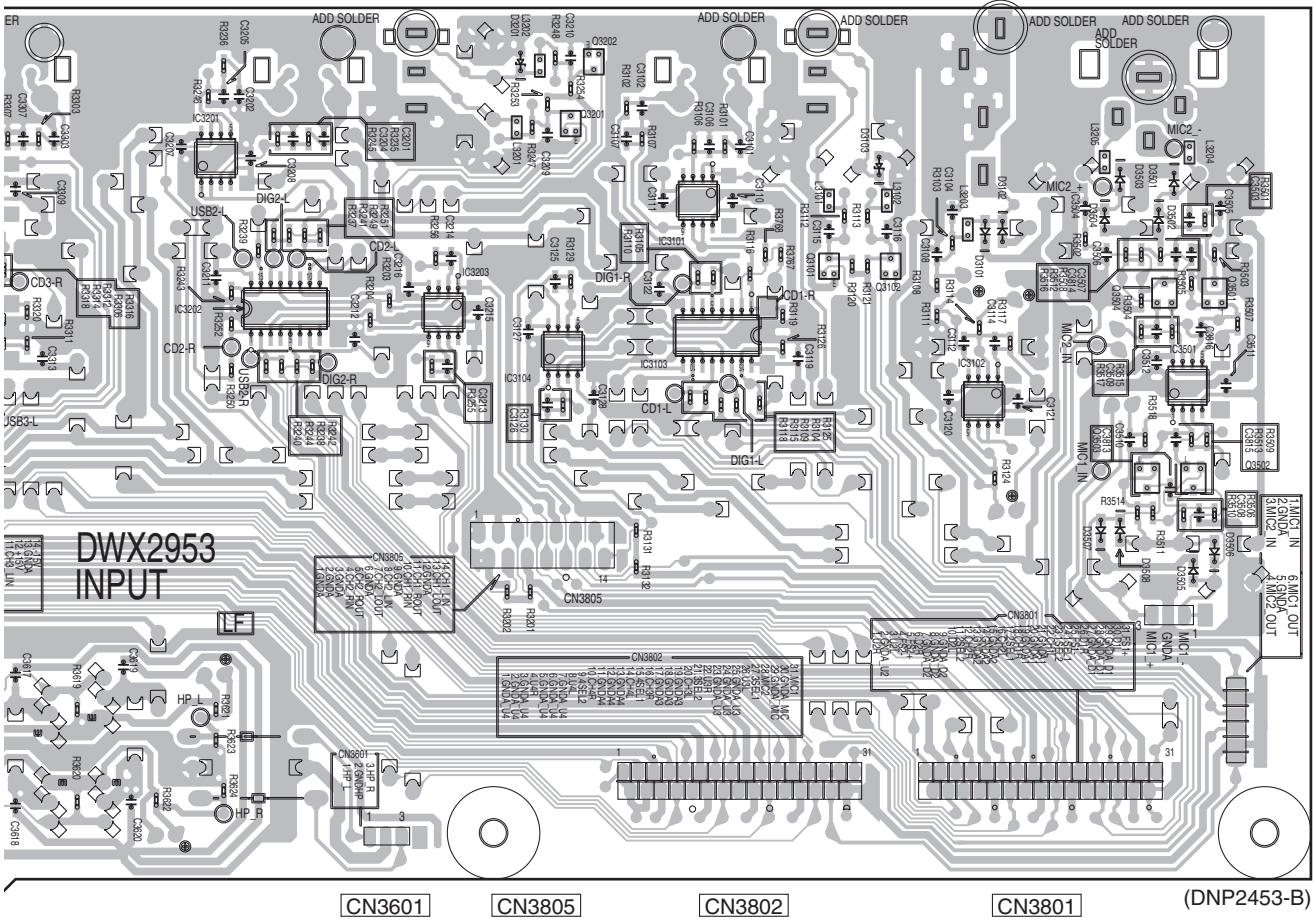
E

F

B CH TRIM ASSY



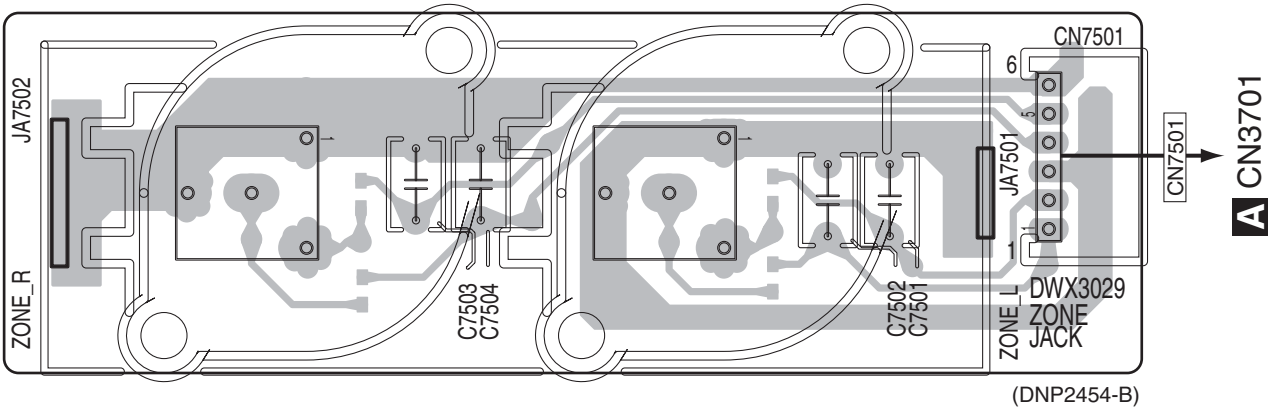
IC3904	IC3903
--------	--------



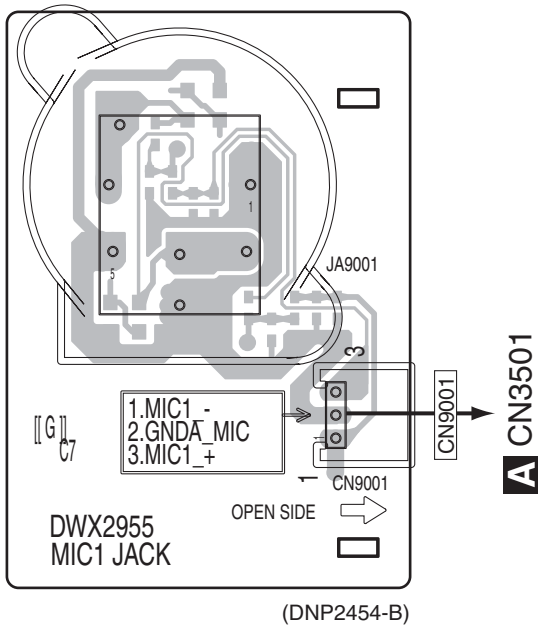
11.2 ZONE JACK, MIC1 AMP and HP JACK ASSYS

SIDE A

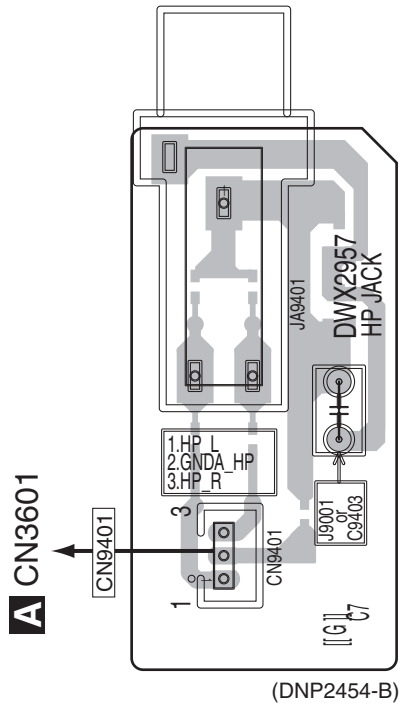
C ZONE JACK ASSY



D MIC1 AMP ASSY



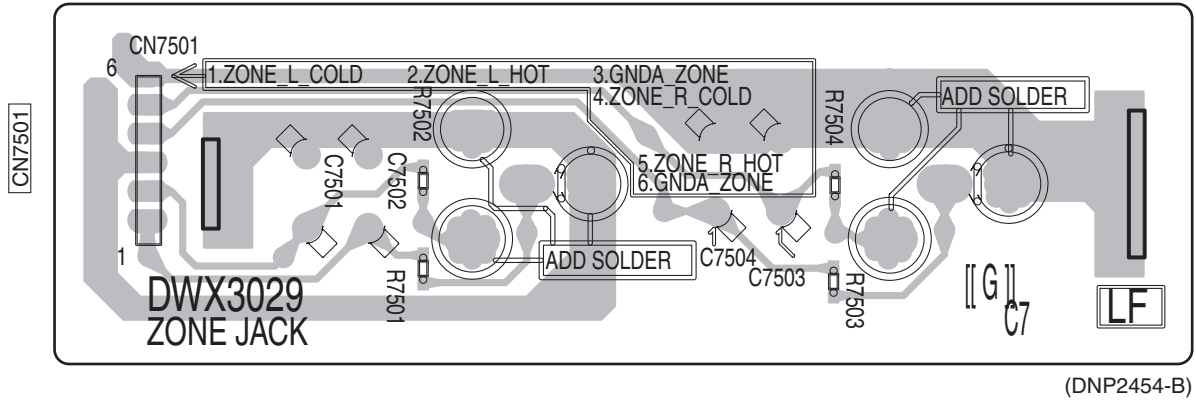
E HP JACK ASSY



C D E

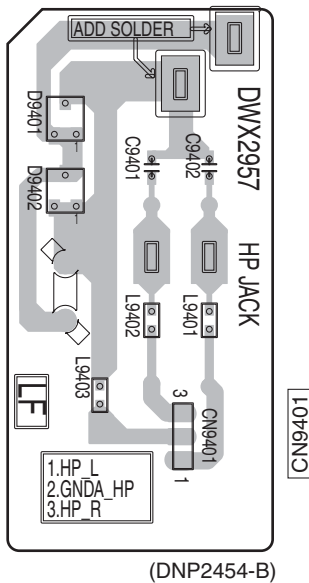
SIDE B

A

C ZONE JACK ASSY

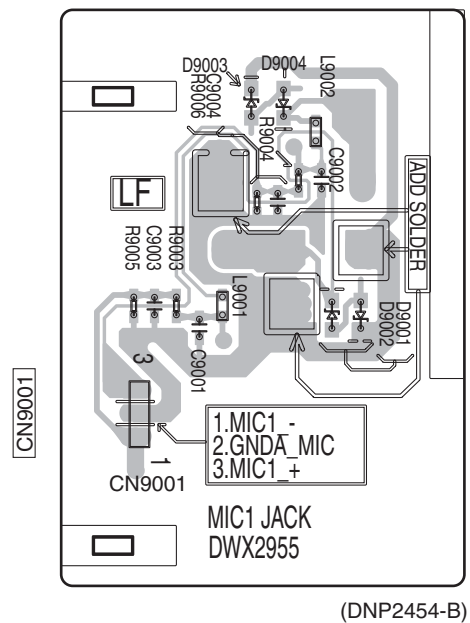
B

C

E HP JACK ASSY

D

E

D MIC1 AMP ASSY

F

C D E

SIDE A

F DAC ASSY

SIDE B

A

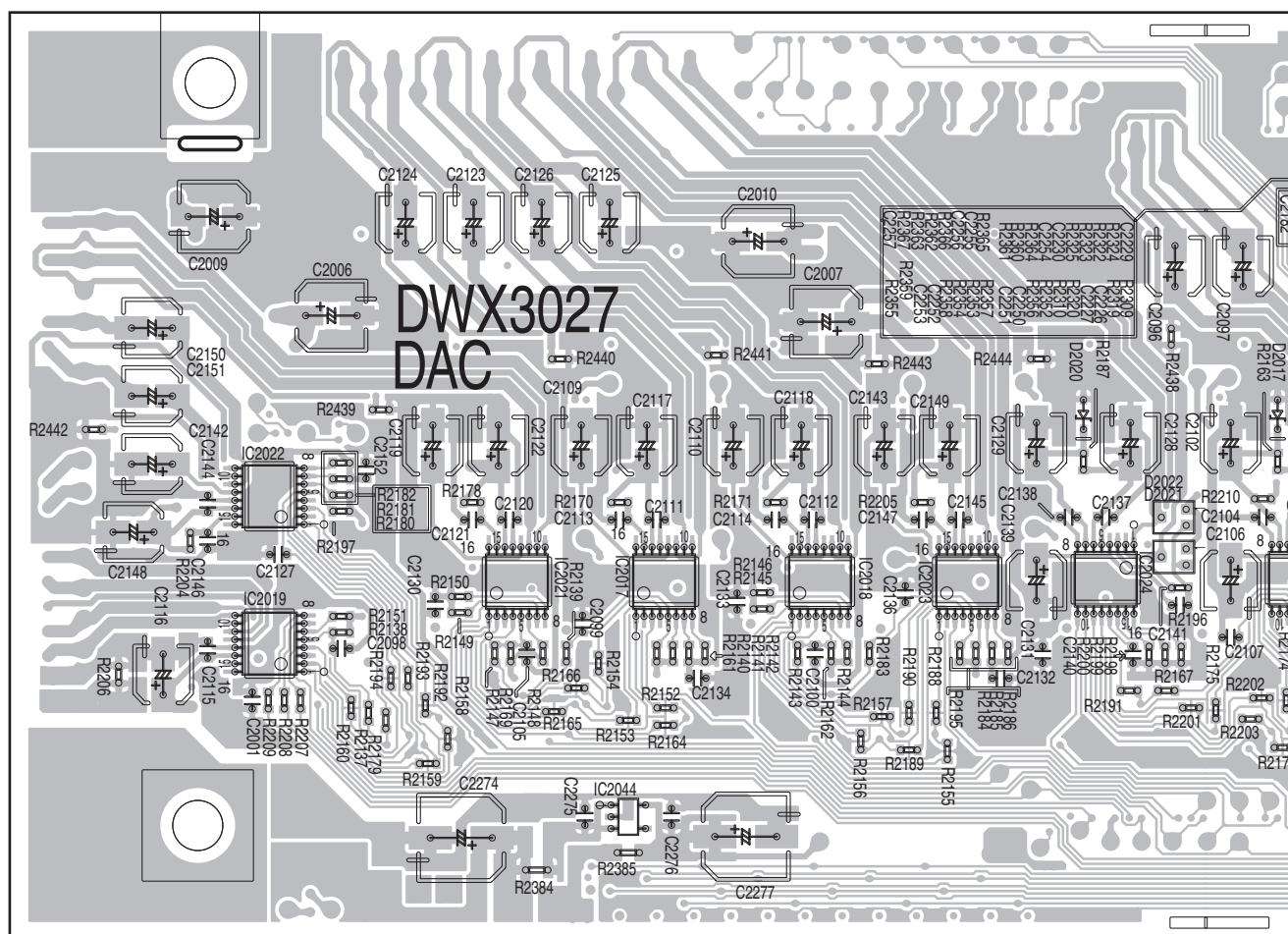
B

C

D

F

F

F DAC ASSYIC2022
IC2019

IC2021

IC2017
IC2044

IC2018

IC2023

IC2024

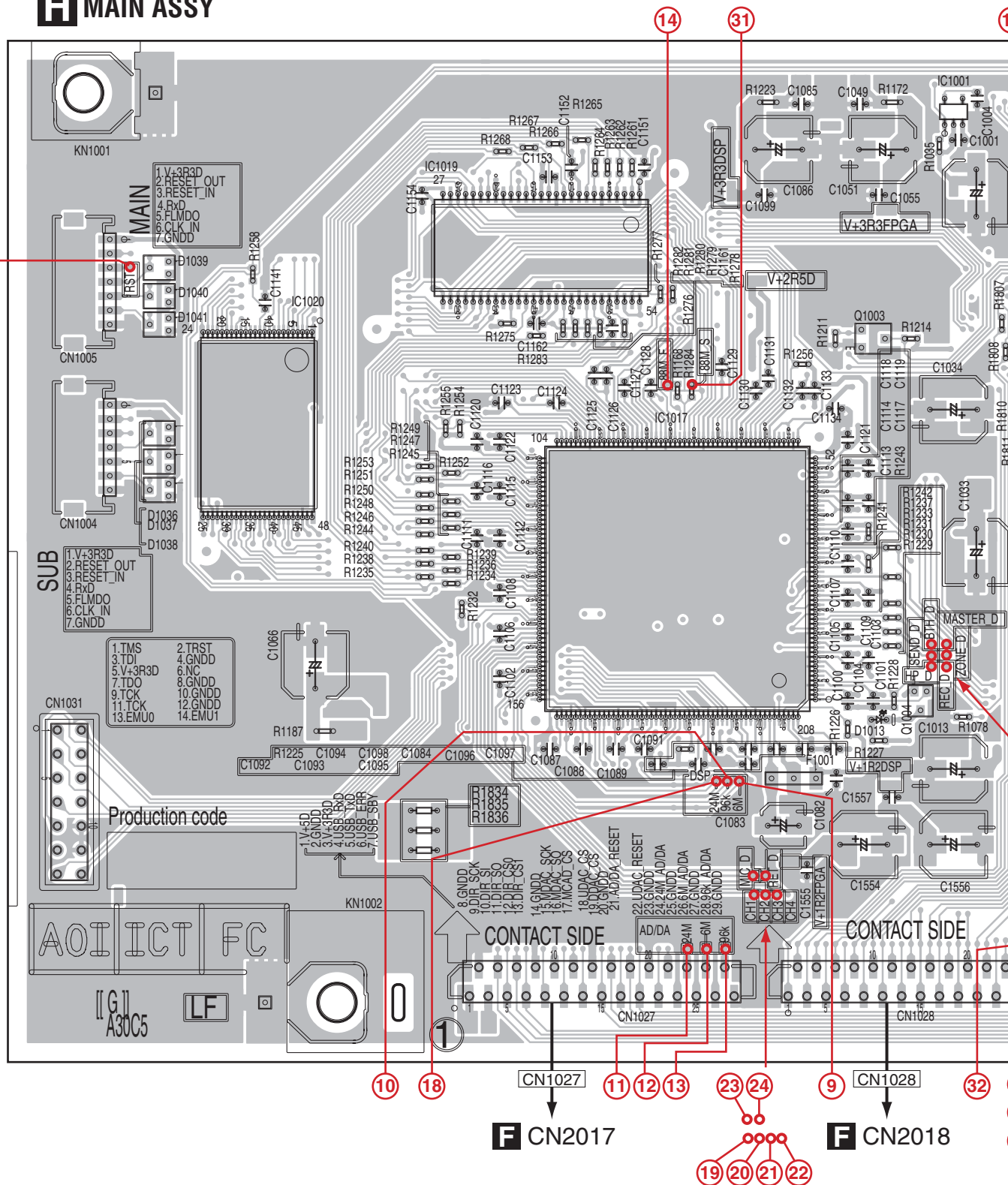
IC:

F

JP2501 (DNP2454-B)



DJM-5000

SIDE A**H MAIN ASSY**

Q1004

A

E



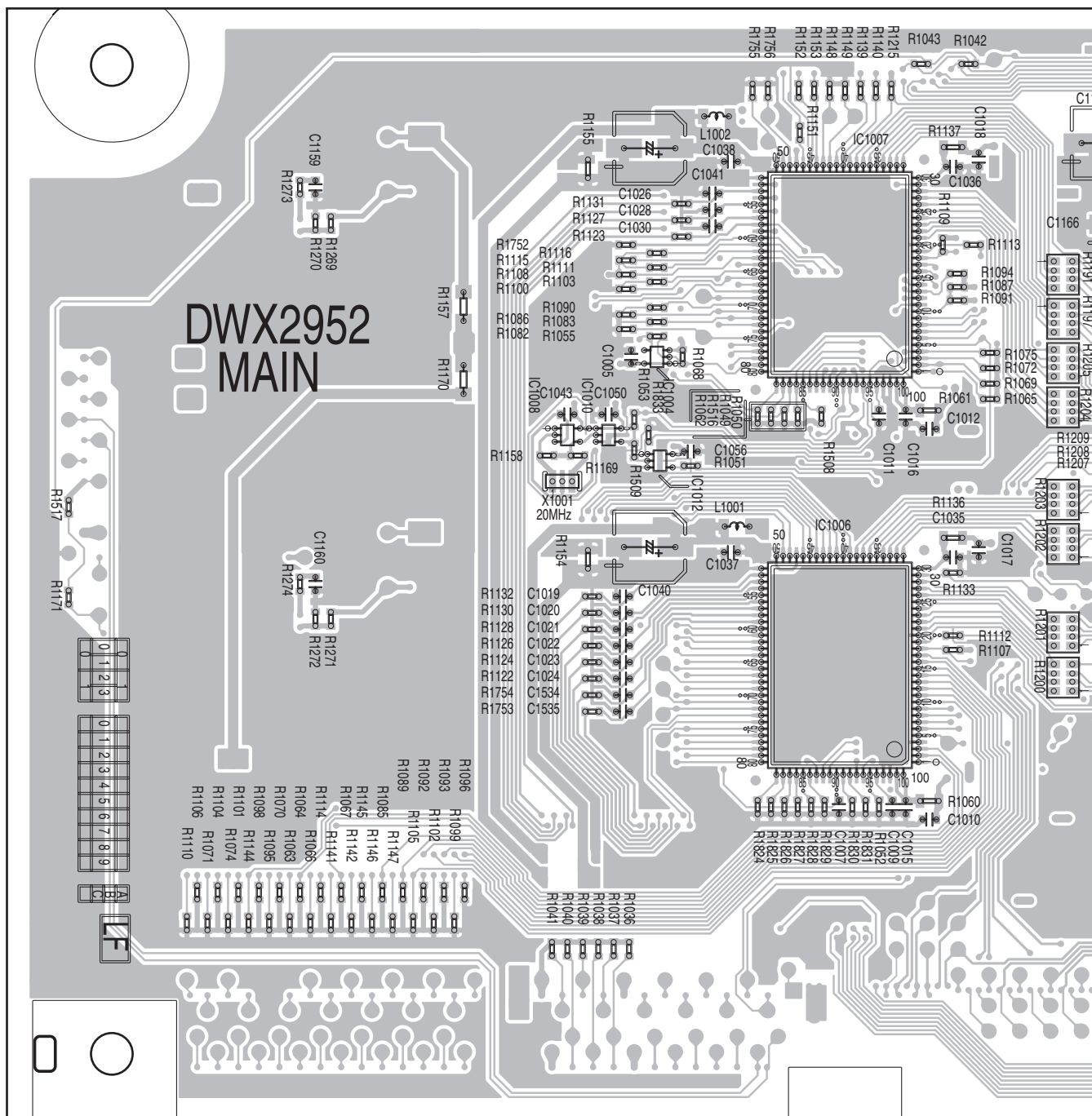
C

□

F

F



SIDE B**H MAIN ASSY**

			IC1004
IC1008	IC1010	IC1012	

IC1007
IC1006

SIDE B

A

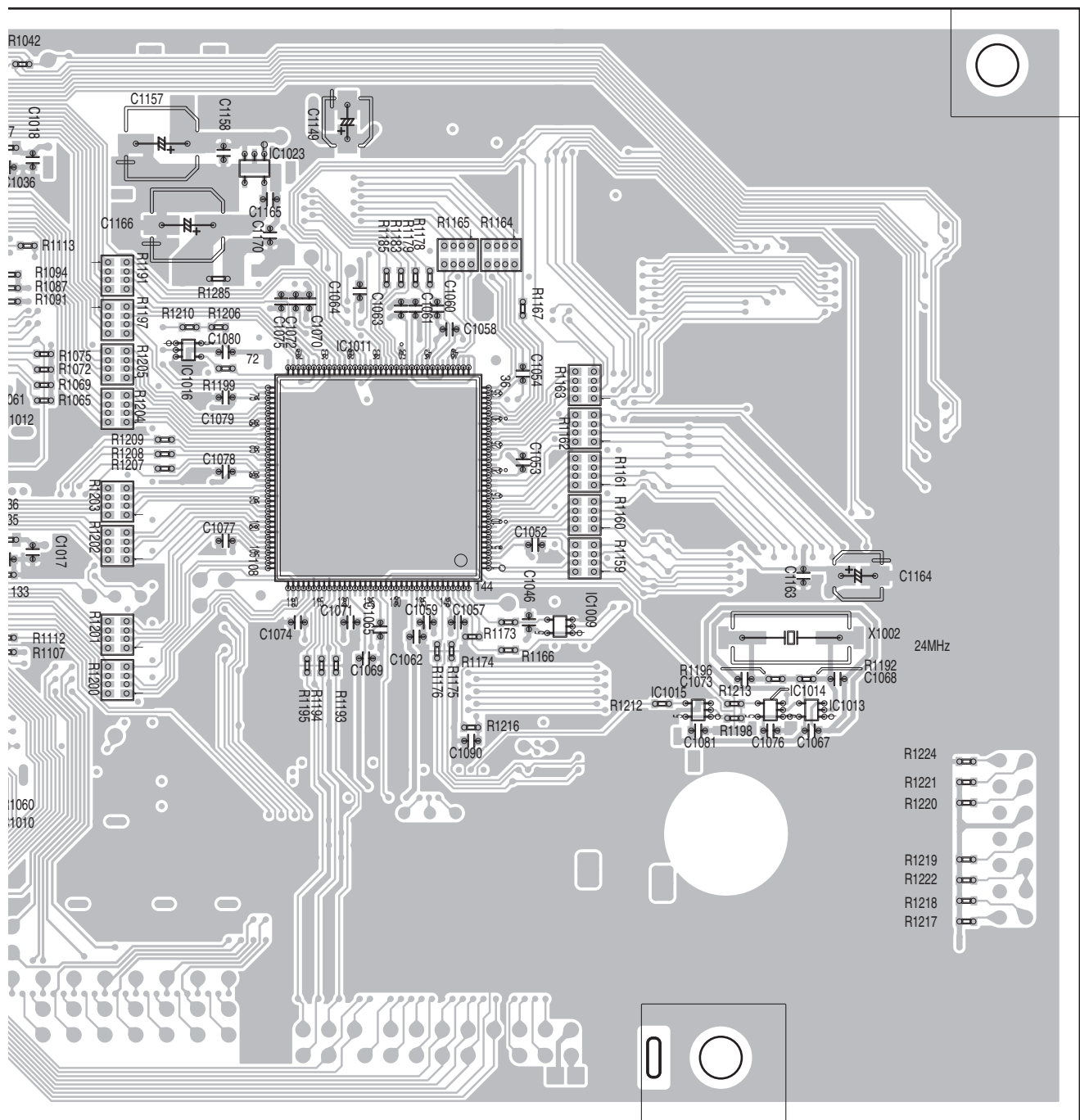
B

C

D

E

F



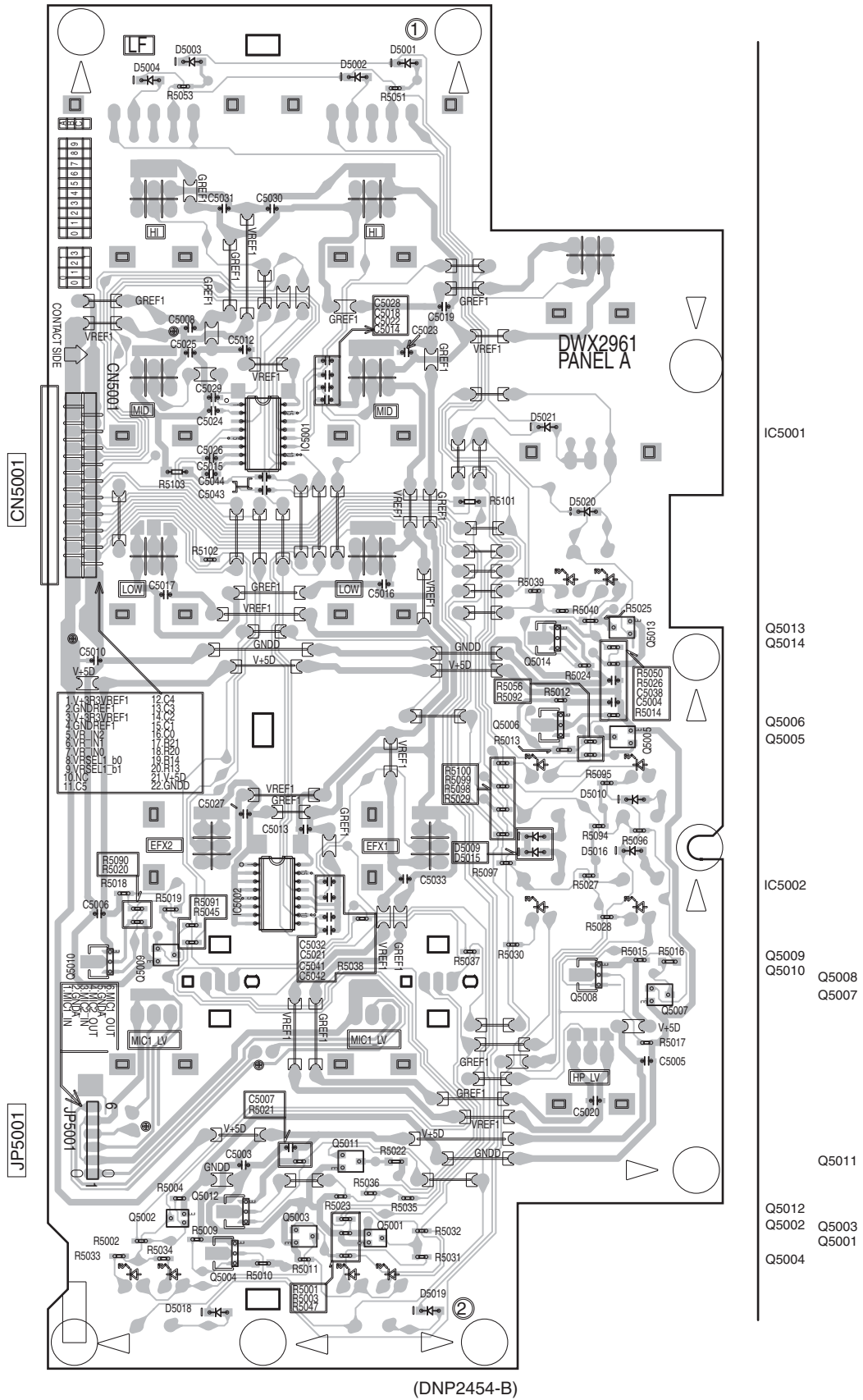
(DNP2452-C)

IC1023						
IC1016	IC1011	IC1009	IC1015	IC1014	IC1013	

DJM-5000

SIDE B

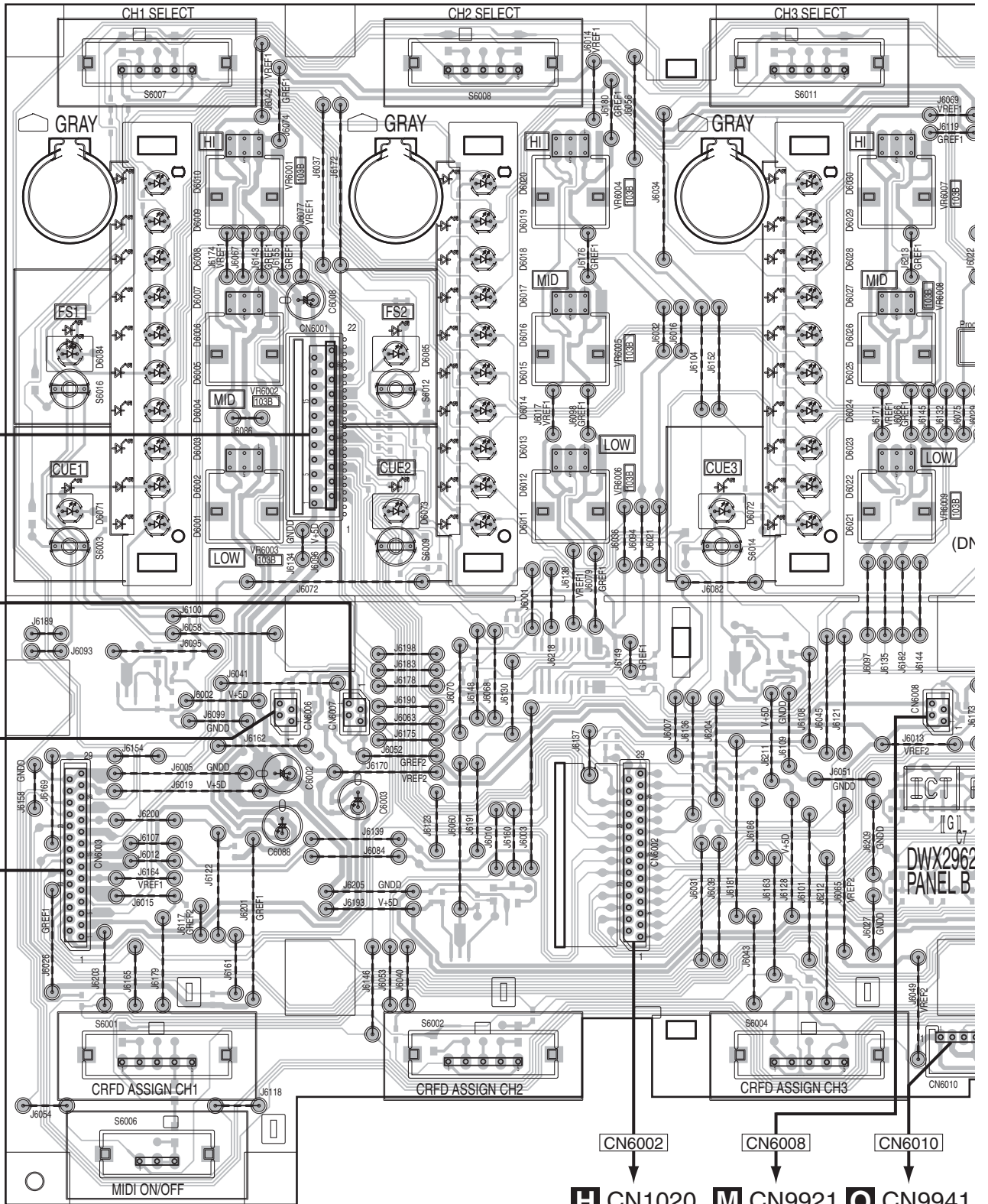
I PANEL A ASSY



11.6 PANEL B ASSY

SIDE A

J PANEL B ASSY



H CN1020 **M** CN9921 **O** CN9941

N

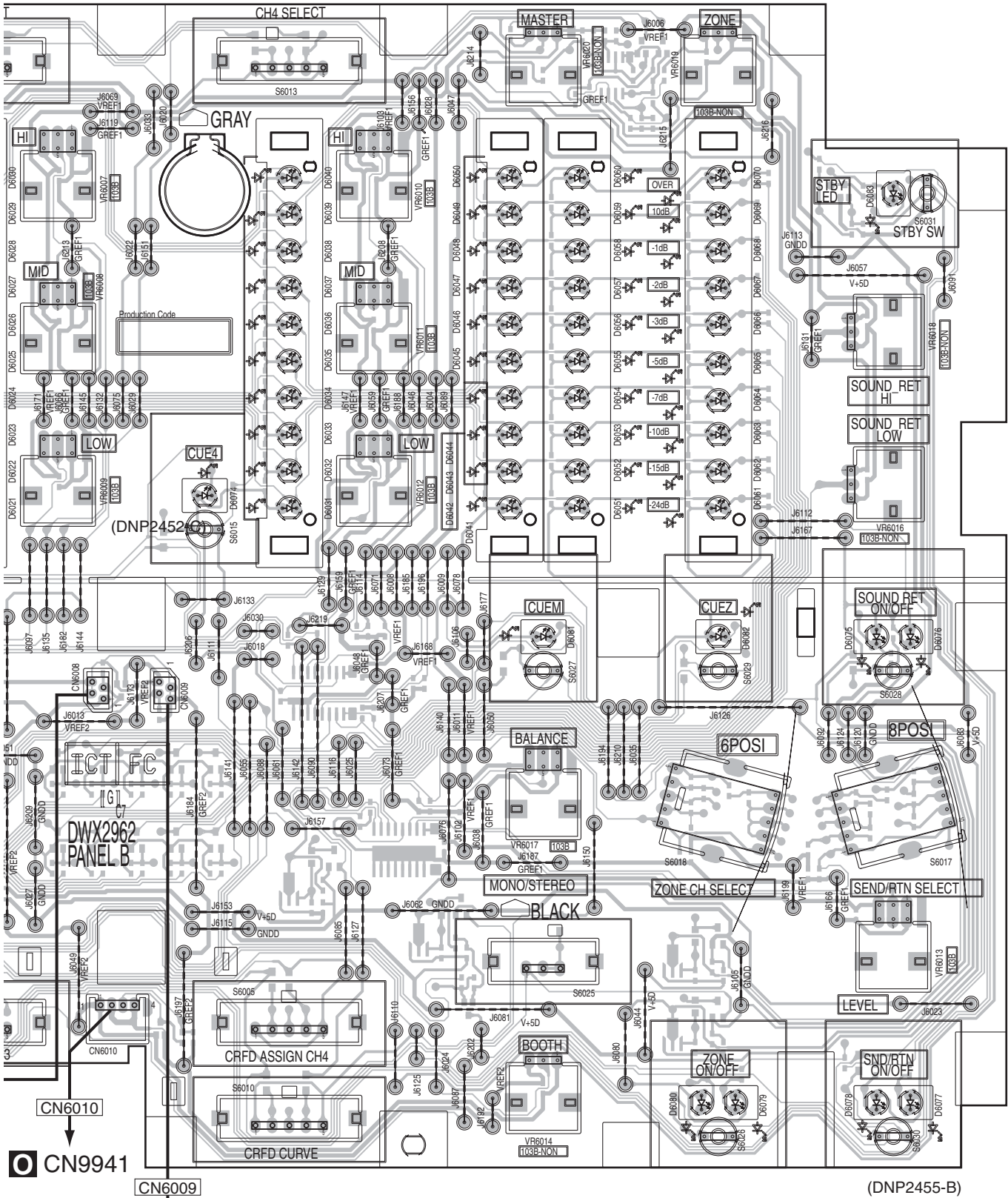
VR6001-VR6003

VR6004-VR6006

VR6007-VR6009

DJM-5000

136



(DNP2455-B)

VR6007-VR6009

VR6010-VR6012

VR6020
VR6017
VR6014

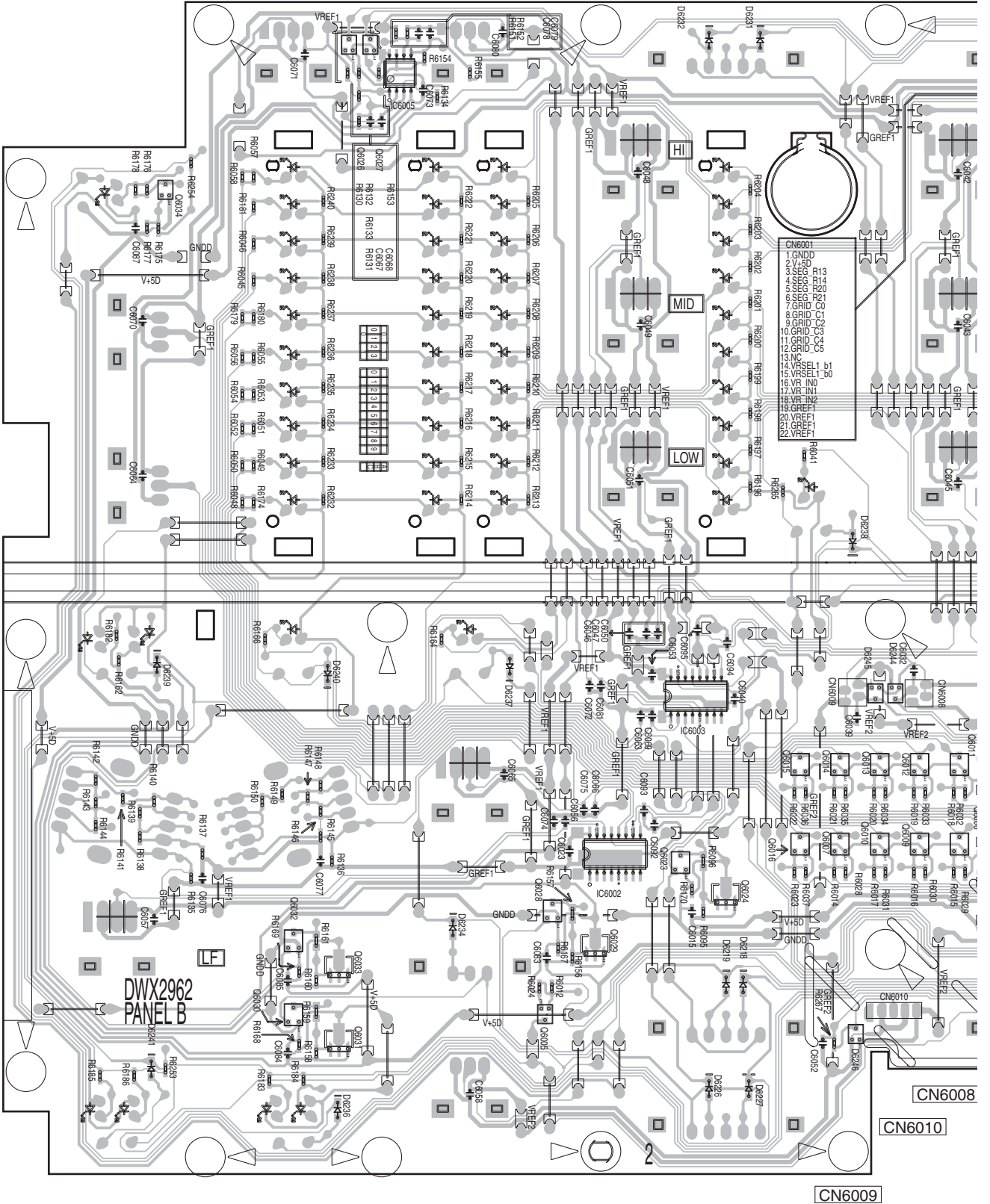
VR6019

VR6018
VR6016
VR6013

DJM-5000

SIDE B

J PANEL B ASSY



Q6034

Q6026 Q6027
IC6005

Q6032 Q6033
Q6030 Q6031

Q6028 Q6029
Q6005

IC6002
Q6023 Q6024

Q6015 Q6014 Q6013 Q6012 Q6011
Q6016 Q6007 Q6010 Q6009 Q6008

DJM-5000

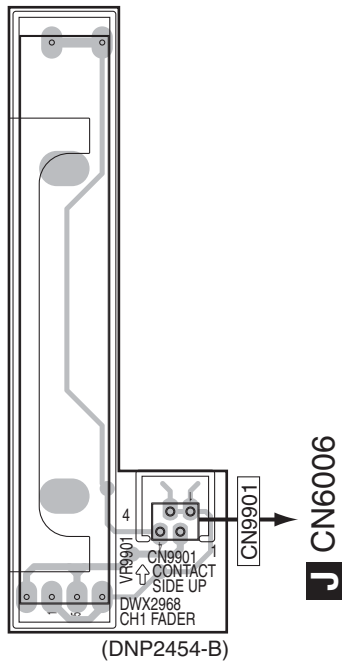
J

138

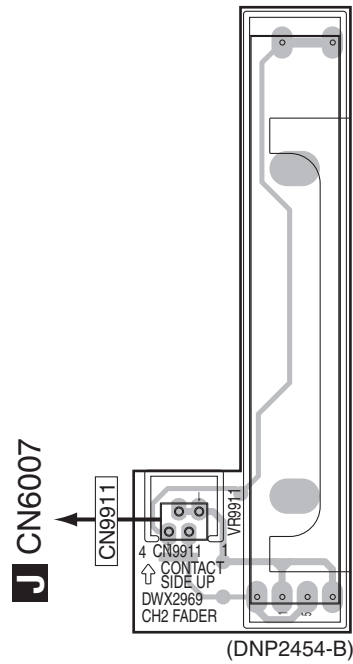
11.7 CH1, CH2, CH3, CH4 and CRS FADER ASSYS

SIDE A

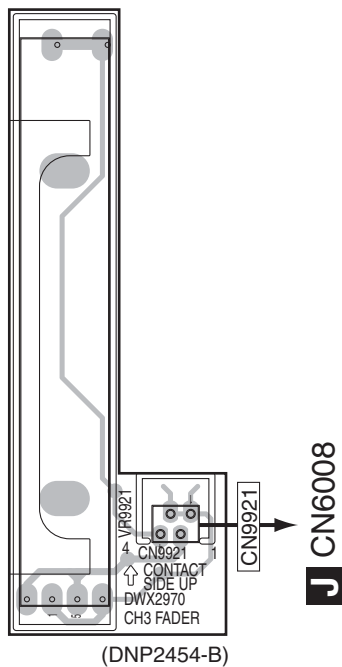
K CH1 FADER ASSY



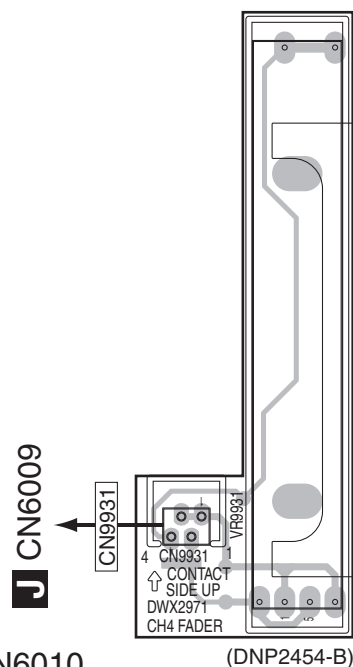
L CH2 FADER ASSY



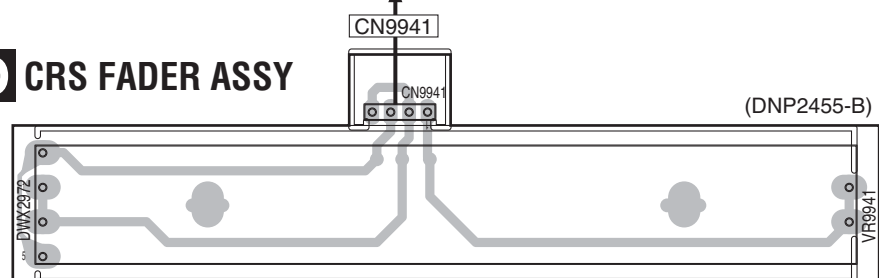
M CH3 FADER ASSY



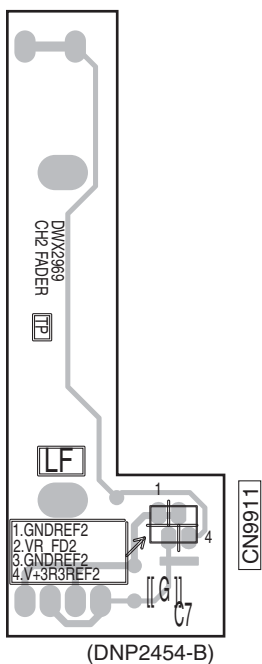
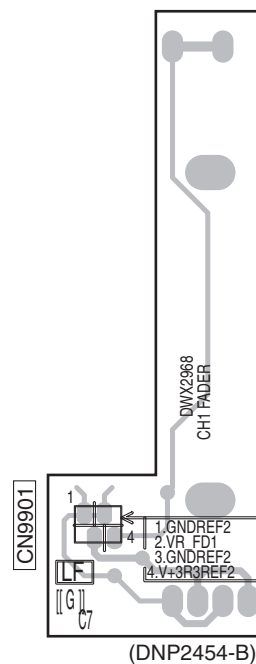
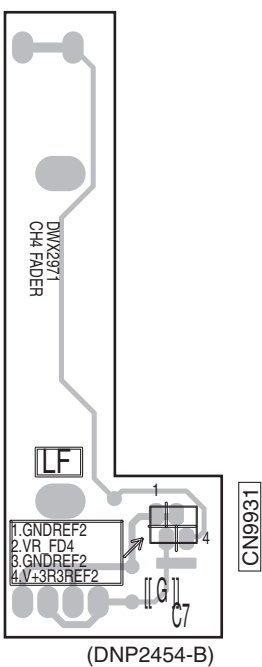
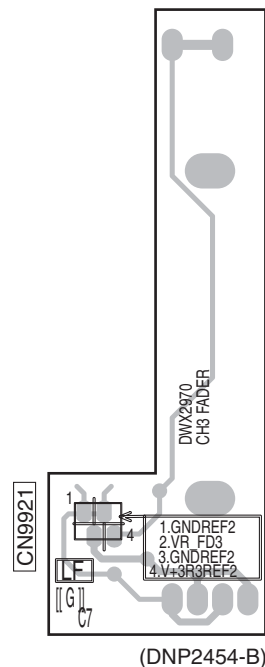
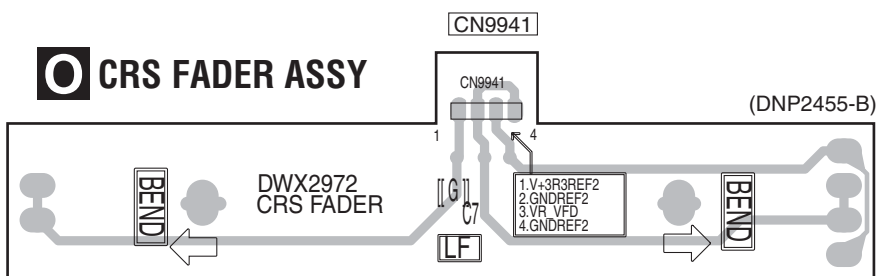
N CH4 FADER ASSY



O CRS FADER ASSY

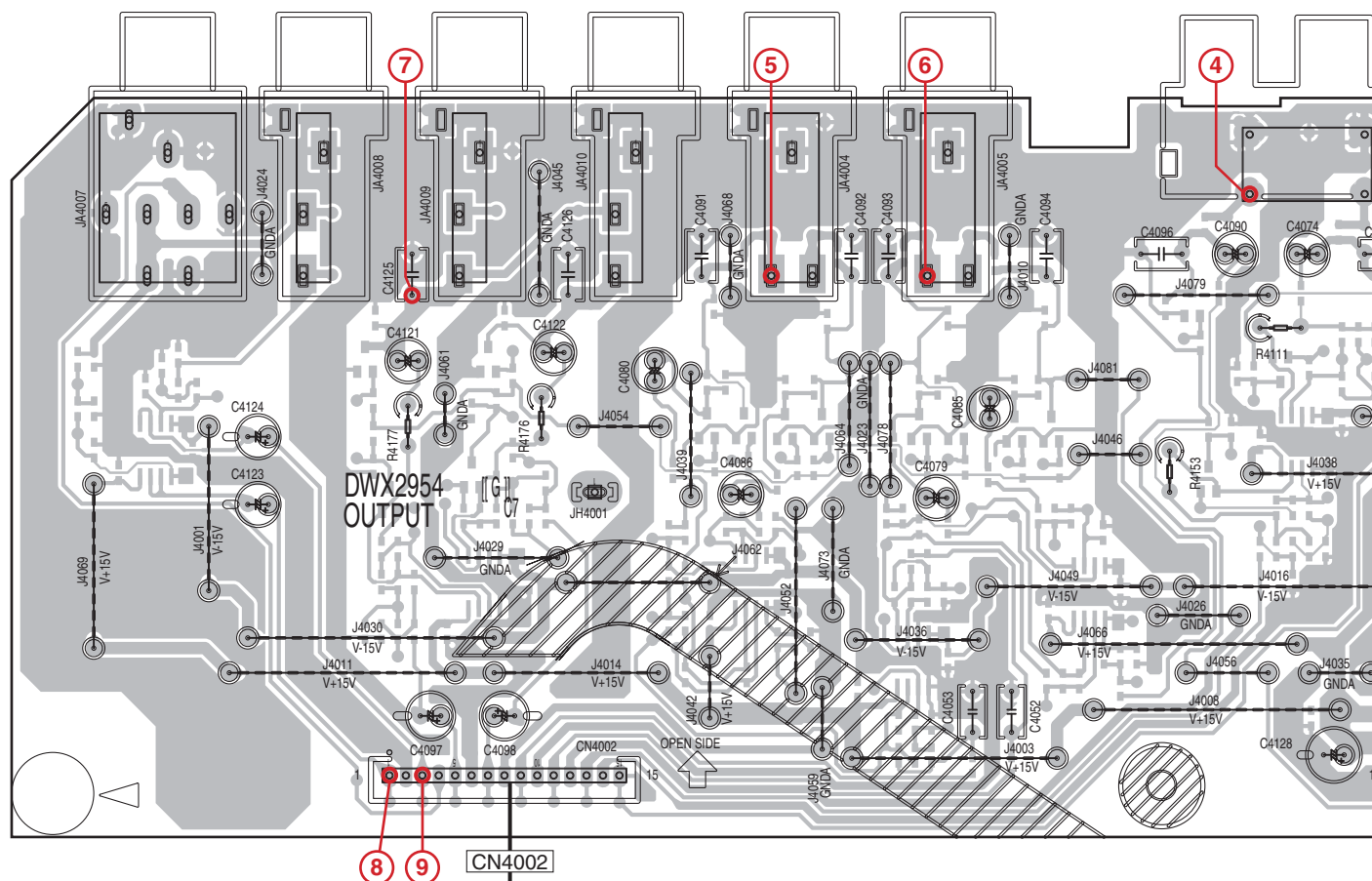


K L M N O

SIDE B**L CH2 FADER ASSY****K CH1 FADER ASSY****N CH4 FADER ASSY****M CH3 FADER ASSY****O CRS FADER ASSY****K L M N O**

SIDE A

P OUTPUT ASSY



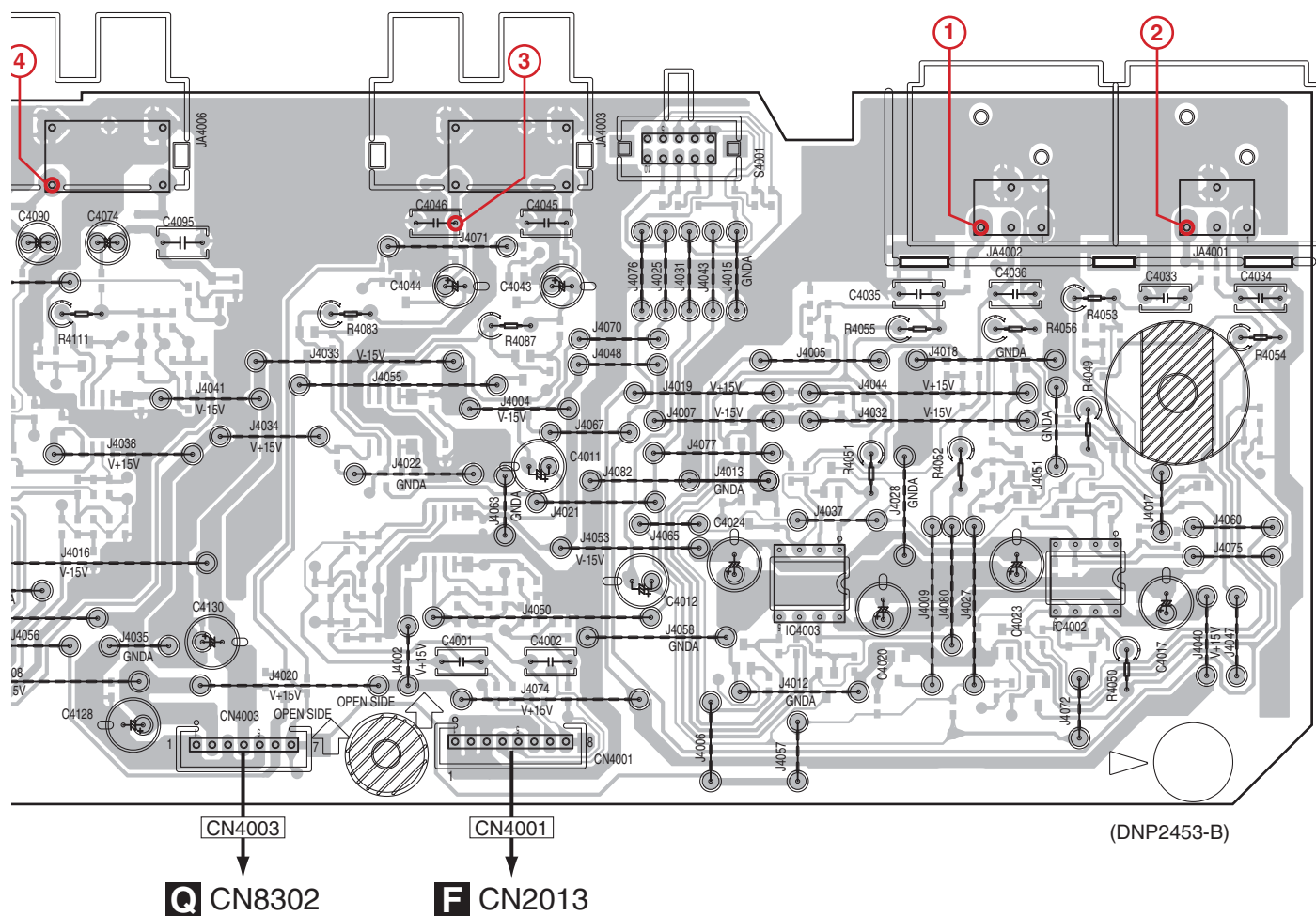
F CN2012

P

SIDE A

A

NOTE: The encircled numbers denote measuring point.



(DNP2453-B)

IC4003

IC4002

F

F

P

SIDE B

A

B

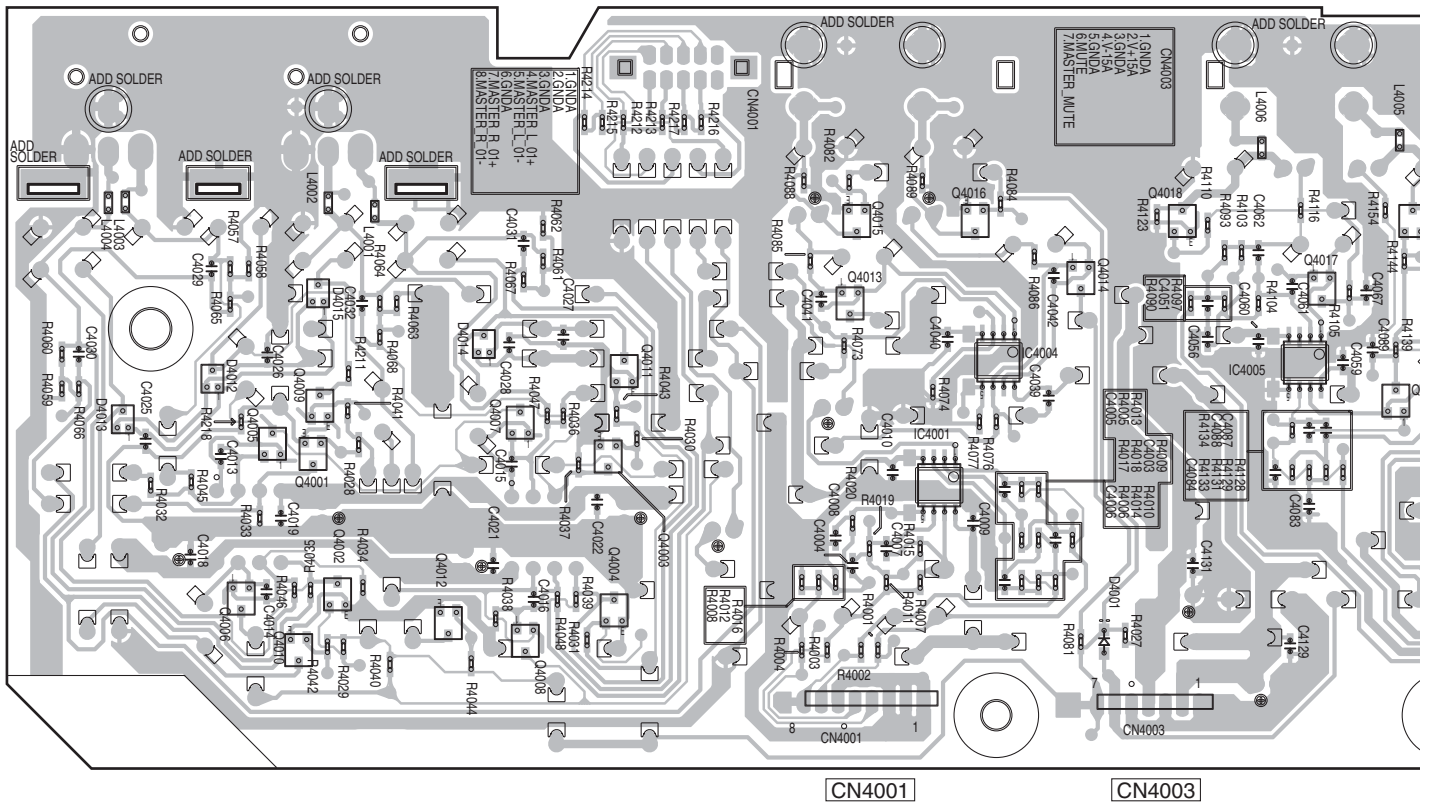
P OUTPUT ASSY

C

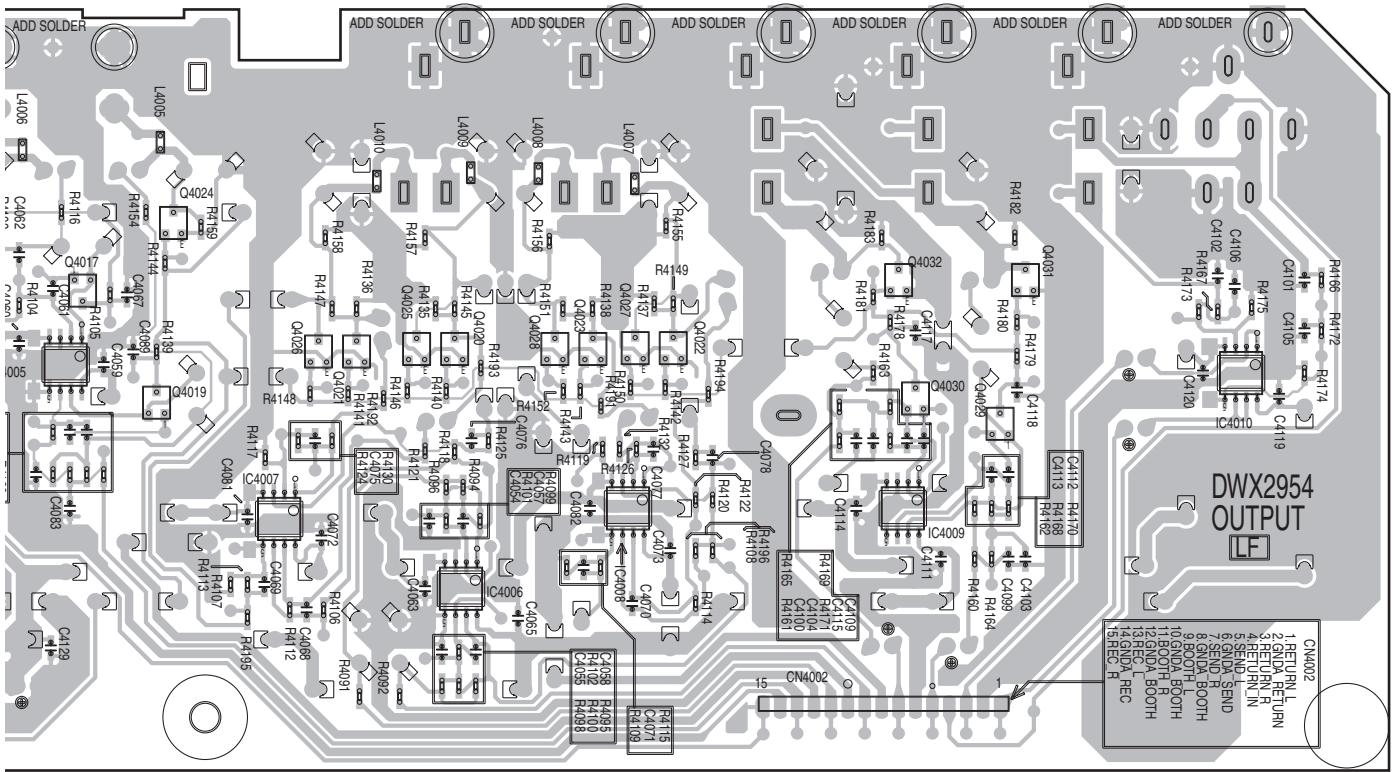
D

E

F

**P**

SIDE B



CN4002

(DNP2453-B)

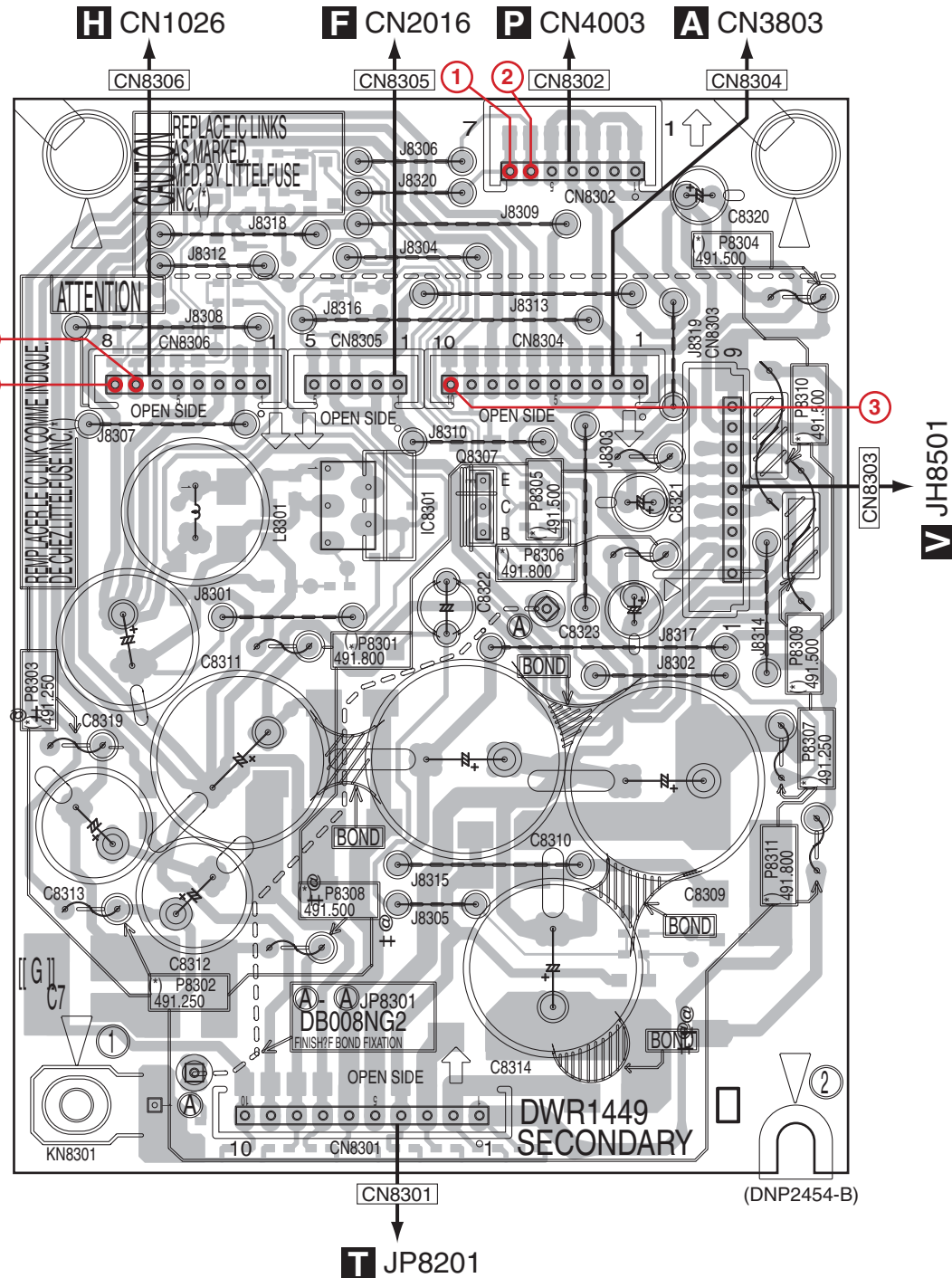
Q4017 IC4005	Q4024 Q4019	Q4026 Q4021 IC4007	Q4025 Q4020 IC4006	Q4028 Q4023 Q4027 Q4022 IC4008	Q4032 Q4030 IC4009	Q4031 Q4029	IC4010
-----------------	----------------	-----------------------	-----------------------	-----------------------------------	-----------------------	-------------	--------

11.9 PWR SECONDARY ASSY

SIDE A

NOTE: The encircled numbers denote measuring point.

Q PWR SECONDARY ASSY

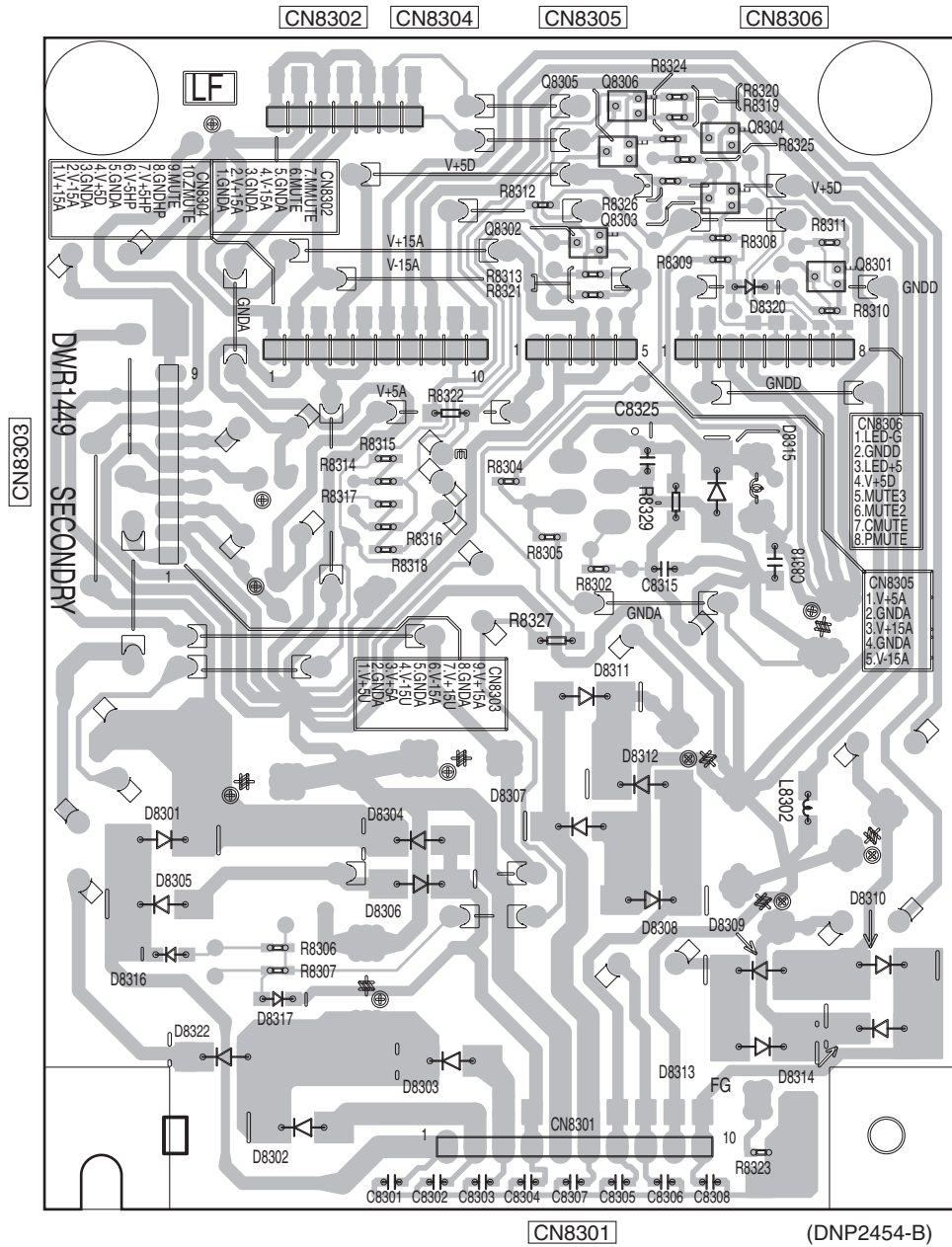


Q

SIDE B

A

Q PWR SECONDARY ASSY



B

C

D

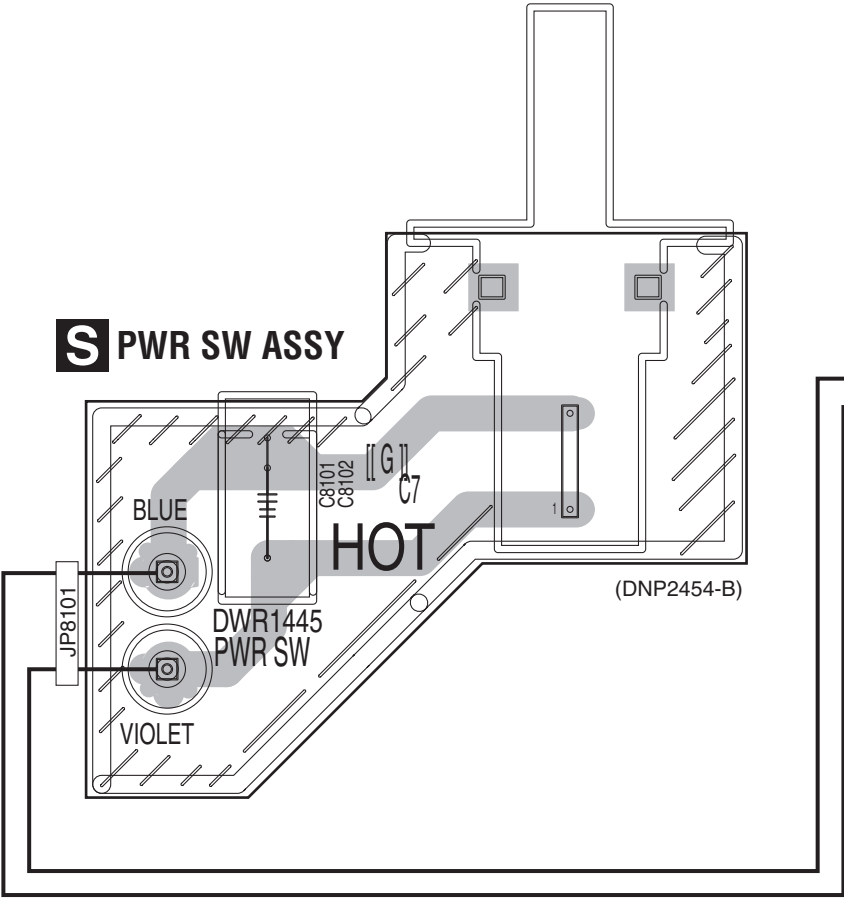
E

F

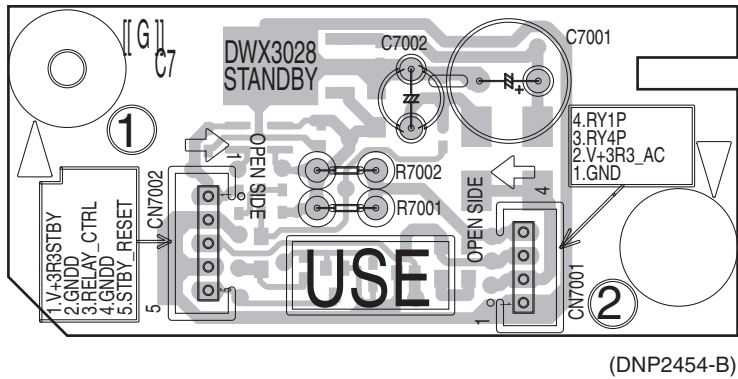
11.10 PRIMARY, PWR SW, TRANS, STANDBY and REG ASSYS

SIDE A

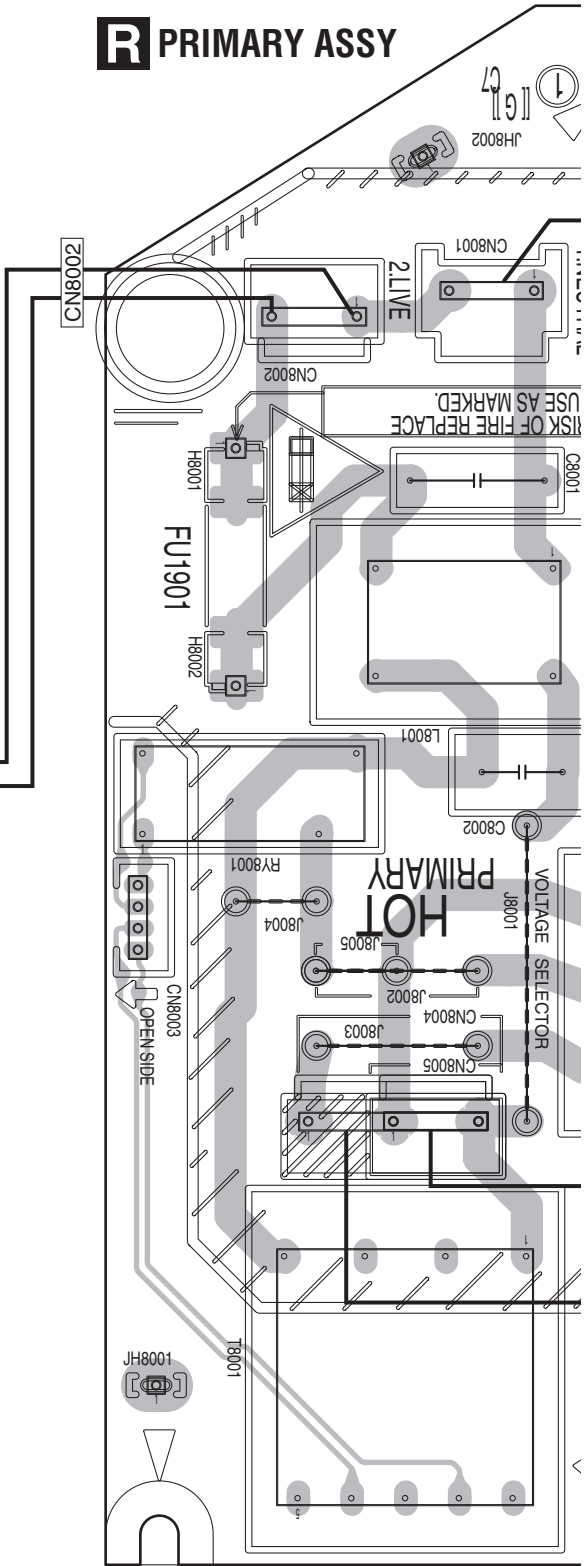
S PWR SW ASSY



U STANDBY ASSY



R PRIMARY ASSY



R S U

SIDE A

A

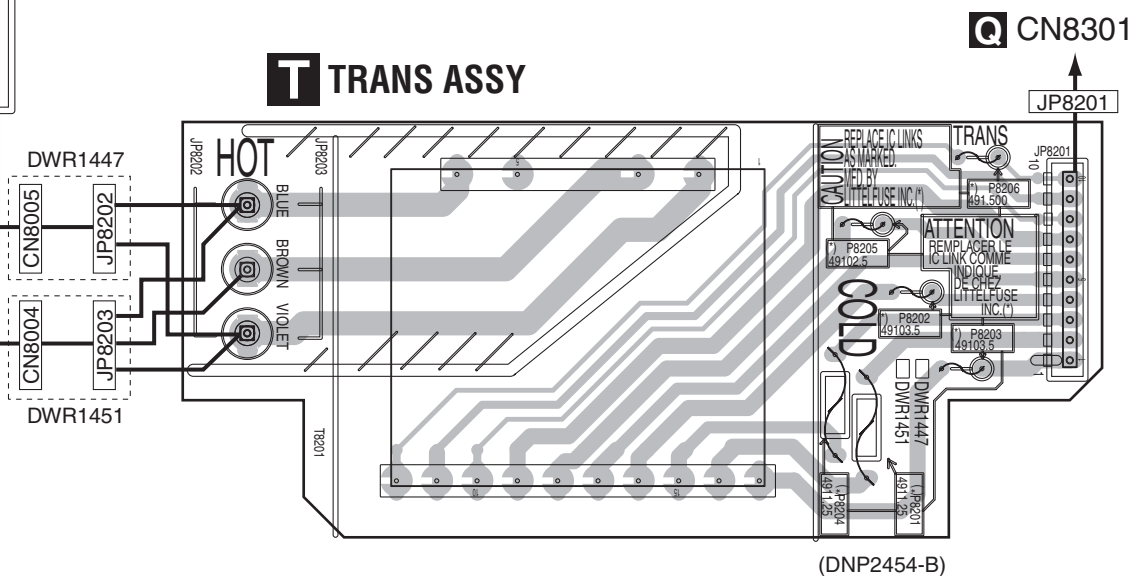
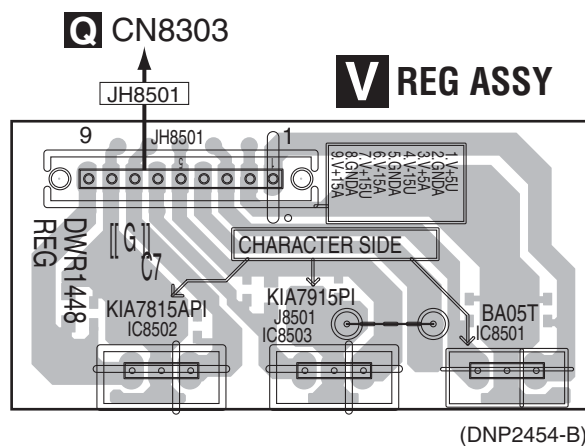
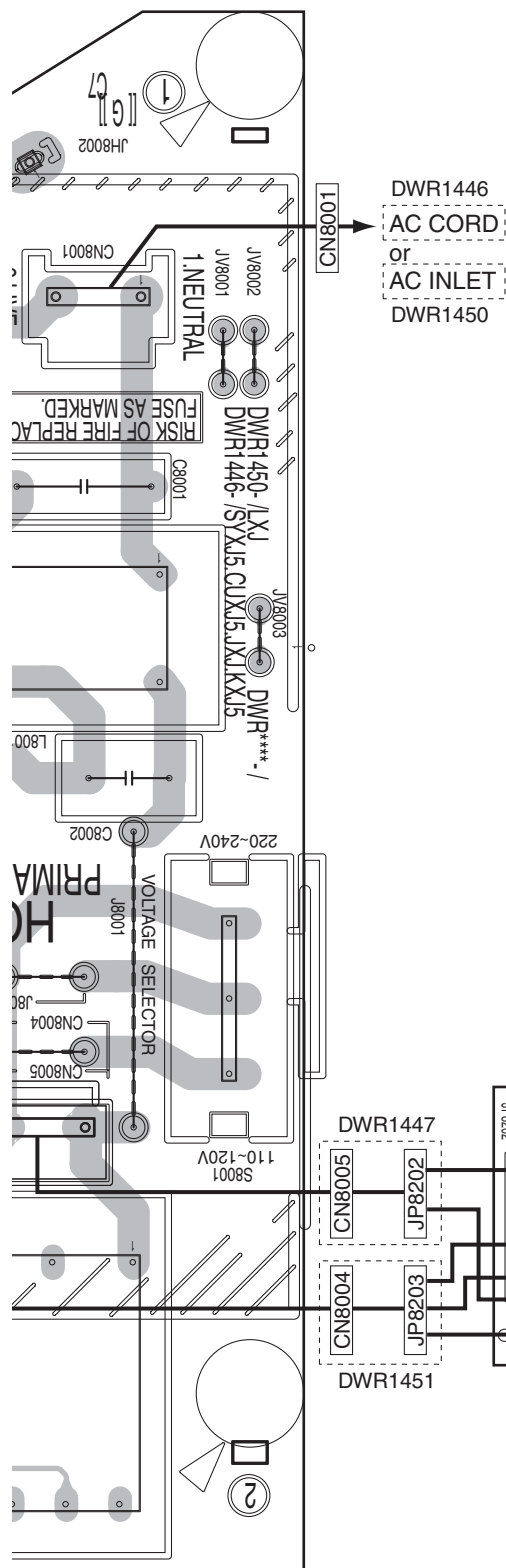
E

9

[

E

F



SIDE B

A

B

C

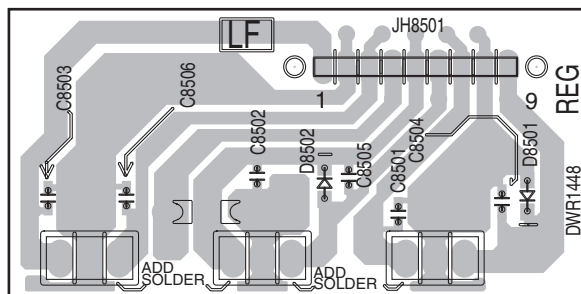
D

E

F

V REG ASSY

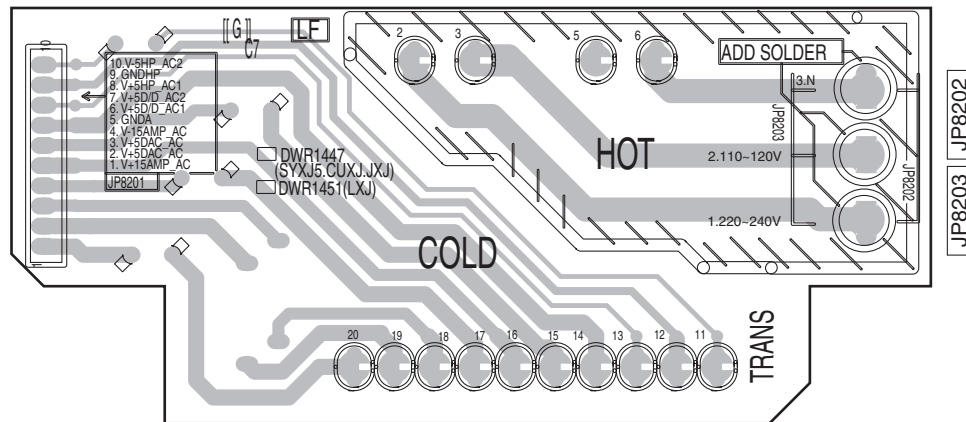
JH8501



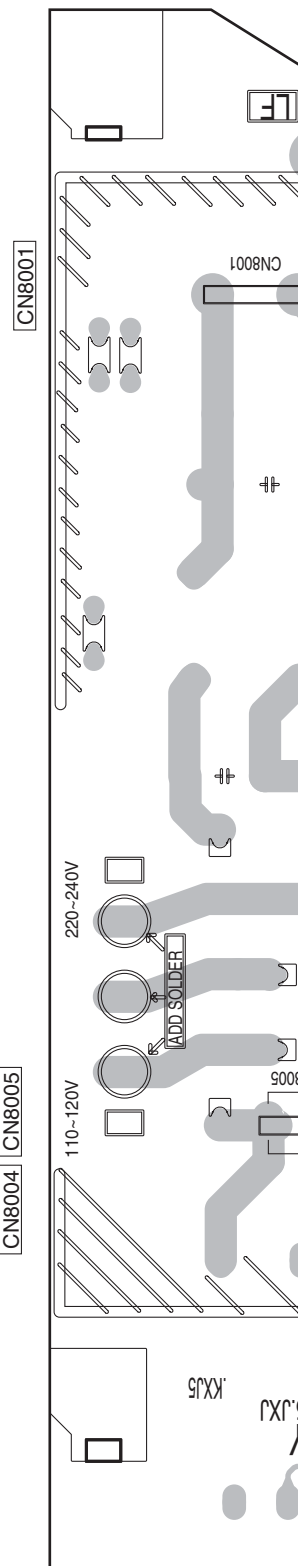
(DNP2454-B)

T TRANS ASSY

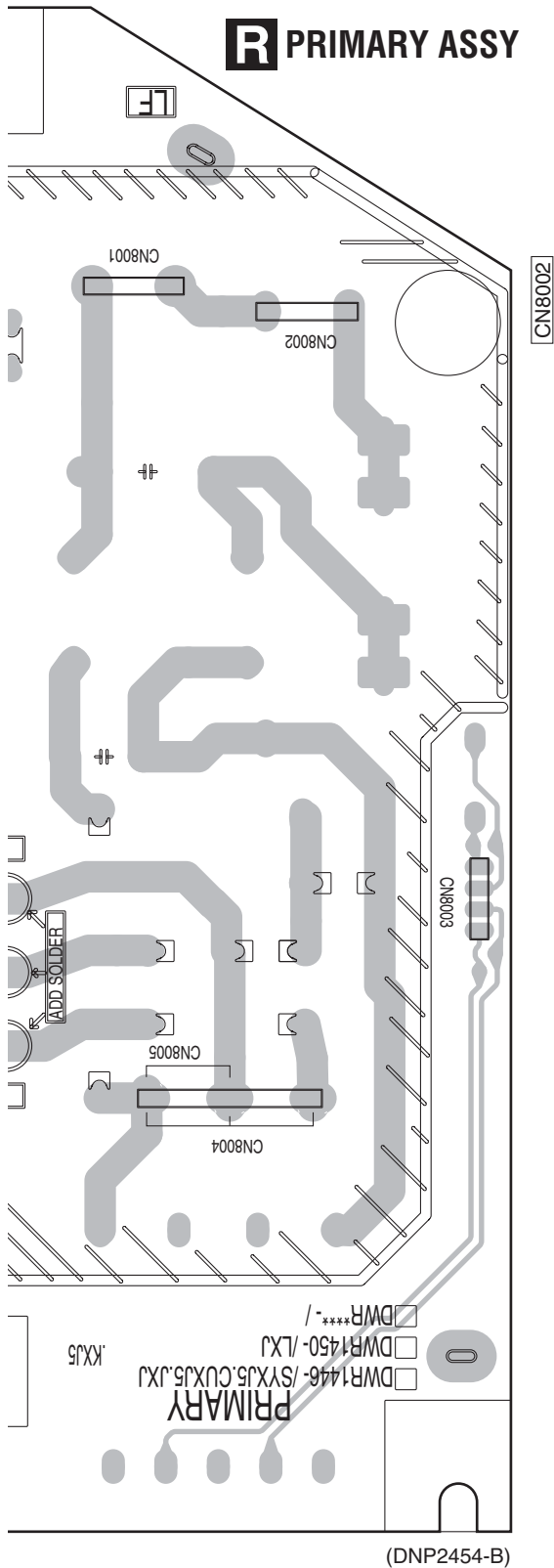
JP8201



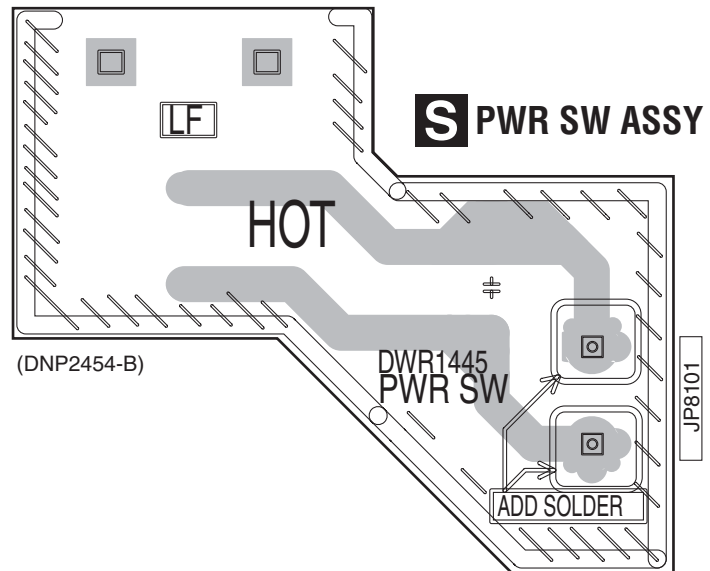
(DNP2454-B)



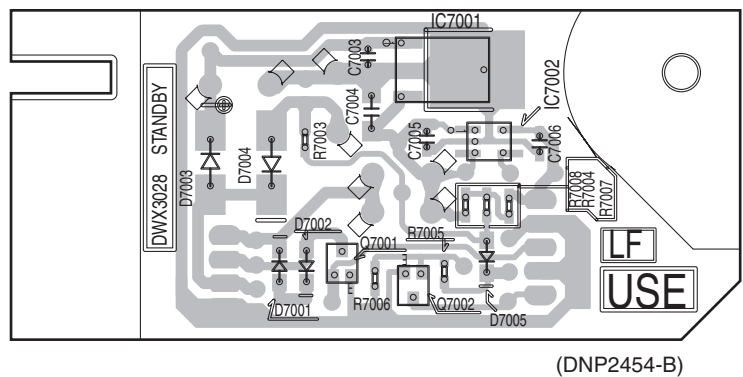
R PRIMARY ASSY



S PWR SW ASSY



U STANDBY ASSY



12. PCB PARTS LIST

NOTES: ● Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.

● The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

● When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω $\rightarrow$ 56×10^1 $\rightarrow$ 561.....RD1/4PU $\begin{bmatrix} 5 & 6 & 1 \end{bmatrix}$ J

47 k Ω $\rightarrow$ 47×10^3 $\rightarrow$ 473.....RD1/4PU $\begin{bmatrix} 4 & 7 & 3 \end{bmatrix}$ J

0.5 Ω $\rightarrow$ R50.....RN2H $\begin{bmatrix} R & 5 & 0 \end{bmatrix}$ K

1 Ω $\rightarrow$ 1R0.....RS1P $\begin{bmatrix} 1 & R & 0 \end{bmatrix}$ K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 k Ω $\rightarrow$ 562×10^1 $\rightarrow$ 5621.....RN1/4PC $\begin{bmatrix} 5 & 6 & 2 & 1 \end{bmatrix}$ F

● Meaning of the figures and others in the parentheses in the parts list.

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

Mark	No.	Description	Part No.
------	-----	-------------	----------

LIST OF ASSEMBLIES

NSP	1..MAIN ASSY	DWM2341
	2..MAIN ASSY	DWX2952
	2..DAC ASSY	DWX3027

NSP	1..INOU ASSY	DWM2342
	2..INPUT ASSY	DWX2953
	2..OUTPUT ASSY	DWX2954

NSP	1..SUB ASSY (CUXJ, SYXJ5, KXJ5)	DWM2343
-----	---------------------------------	---------

NSP	1..SUB ASSY (LXJ)	DWM2371
	2..PWR SW ASSY	DWR1445

NSP	2..PRIMARY ASSY (CUXJ, SYXJ5, KXJ5)	DWR1446
-----	-------------------------------------	---------

NSP	2..PRIMARY ASSY (LXJ)	DWR1450
-----	-----------------------	---------

	2..TRANS ASSY (CUXJ, SYXJ5, KXJ5)	DWR1447
--	-----------------------------------	---------

	2..TRANS ASSY (LXJ)	DWR1451
--	---------------------	---------

	2..REG ASSY	DWR1448
--	-------------	---------

	2..PWR SECONDARY ASSY	DWR1449
--	-----------------------	---------

	2..MIC 1 AMP ASSY	DWX2955
--	-------------------	---------

	2..HP JACK ASSY	DWX2957
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	2..USB/DIG JACK ASSY	DWX2959
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	2..PANEL A ASSY	DWX2961
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	2..CH1 FADER ASSY	DWX2968
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	2..CH2 FADER ASSY	DWX2969
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	2..CH3 FADER ASSY	DWX2970
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	2..CH4 FADER ASSY	DWX2971
--	-------------------	---------

	2..STANDBY ASSY	DWX3028
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	2..ZONE JACK ASSY	DWX3029
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NSP	1..PANL ASSY	DWM2344
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	2..PANEL B ASSY	DWX2962
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	2..CH TRIM ASSY	DWX2964
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	2..CRS FADER ASSY	DWX2972
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Mark	No.	Description	Part No.
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A

INPUT ASSY

SEMICONDUCTORS

IC 3101,3201,3301,3302	NJM4565MD
IC 3102,3104,3203,3304	NJM4580MD
IC 3103,3202,3303,3403	TC74LVX4052F
IC 3401,3402,3601,3602	NJM4565MD
IC 3404,3501,3702,3703	NJM4580MD

Mark	No.	Description	Part No.
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IC 3701	NJM4565MD
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Q 3101,3102,3201,3202	RT1N241M
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Q 3501-3504,3601-3604	2SK209
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Q 3605,3606,3701-3708	2SC5938A
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Q 3607,3609	2SD1859X
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Q 3608,3610	2SB1238X
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D 3103,3201	UDZS5R6(B)
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D 3104,3105	HZU3R0(B1)
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D 3702	1SS355
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D 3703-3706	DAN217U
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MISCELLANEOUS

L 3101,3102 FERRITE CORE	VTF1093
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L 3201-3205 FERRITE CORE	VTF1093
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L 3206-3209 FERRITE CORE	VTF1080
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JA 3101 HP JACK	DKN1452
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JA 3102,3201 JACK	DKB1103
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JA 3103,3202 JACK	RKN1004
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JA 3301,3401 JACK	DKB1083
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JA 3501 CONNECTOR	DKN1136
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KN3701 SCREW PLATE	VNE1948
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S 3701 SLIDE SWITCH	DSH1063
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CN3501,3601 PLUG(3P)	KM200NA3
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CN3502,3701 PLUG(6P)	KM200NA6
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CN3801,3802 31P CONNECTOR	VKN1262
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CN3803 L-PLUG(10P)	KM200NA10L
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CN3804 L-PLUG(7P)	KM200NA7L
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CN3805,3806 CONNECTOR	9604S-14C
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JH 3101 PCB BINDER	VEF1040
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RESISTORS

R 3101,3102,3235,3236	RS1/10SR1001D
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R 3103	RS1/10SR2200D
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R 3104,3105,3115,3116	RS1/10SR8201D
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R 3106,3107,3245,3246	RS1/10SR4702D
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R 3109,3110,3118,3119	RS1/10SR2201D
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R 3114	RS1/10SR6800D
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R 3117	RS1/10SR6802D
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R 3125,3129,3130	RS1/10SR8201D
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R 3126,3241-3244,3251	RS1/10SR2201D
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R 3237-3240,3249,3250	RS1/10SR8201D
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R 3252,3311,3312	RS1/10SR2201D
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R 3255,3256,3305,3306	RS1/10SR8201D
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R 3301-3304,3401-3404	RS1/10SR1001D
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Mark	No.	Description	Part No.
	C	3701,3702	DCE1019
	C	3703,3704	CCSRCH182J50
	C	3705,3706	CCSRCH560J50
	C	3707,3708,3716,3717	CKSRYB104K25
	C	3709,3710	CEAT101M16
	C	3718-3721	CCSRCH101J50
	C	3722,3723,3726,3727	CEANP470M16
	C	3724,3725,3804-3808	CKSRYB104K25
	C	3801-3803,3809,3810	CEAT100M50
B CH TRIM ASSY			
<u>SEMICONDUCTORS</u>			
	IC	3901-3904	NJM4565MD
<u>MISCELLANEOUS</u>			
	VR	3901-3904 POTENTIOMETER	DCE1098
	CN	3901,3902 14P CONNECTOR	52044-1445
<u>RESISTORS</u>			
	R	3903-3910	RS1/10SR3302D
<u>CAPACITORS</u>			
	C	3901-3908	CEAL100M16
	C	3909-3916	CKSRYB104K50
C ZONE JACK ASSY			
<u>MISCELLANEOUS</u>			
	JA	7501,7502 CANON CONNECTOR	DKN1550
	CN	7501 L-PLUG(6P)	KM200NA6L
	O	CANON SHIELD	DNF1836
<u>RESISTORS</u>			
		All Resistors	RS1/10SR###J
<u>CAPACITORS</u>			
	C	7501-7504	DCE1016
D MIC 1 AMP ASSY			
<u>SEMICONDUCTORS</u>			
	D	9001-9004	UDZS15(B)
<u>MISCELLANEOUS</u>			
	L	9001,9002 FERRITE CORE	VTF1093
	JA	9001 CANON CONNECTOR	DKB1094
	CN	9001 L-PLUG(3P)	KM200NA3L
<u>RESISTORS</u>			
	R	9003,9004	RN1/16SE1000D
	R	9005,9006	RN1/16SE1002D
<u>CAPACITORS</u>			
	C	9001,9002	CCSRCH221J50
	C	9003,9004	CCSRCH101J50
E HP JACK ASSY			
<u>MISCELLANEOUS</u>			
	L	9401-9403 FERRITE CORE	VTF1093
	JA	9401 HEADPHONE JACK	DKN1281
	CN	9401 PLUG(3P)	KM200NA3

Mark No. Description**Part No.****Mark No. Description****Part No.****CAPACITORS**

C 9401,9402

CKSRYB104K25

Other Resistors

RS1/10SR###J

CAPACITORS

C 2001-2005,2012-2019

CKSRYB104K25

C 2006-2010

CEHVVW100M25

C 2011

CEVW100M25

C 2020-2027,2036-2043

DCG1049

C 2028-2035,2044-2047

CKSRYB104K25

C 2048-2051,2056-2059

CEHVVW100M16

C 2052-2055,2060,2062

CKSRYB104K25

C 2061,2063,2065

CEHVVW100M16

C 2064,2066,2072-2079

CKSRYB104K25

C 2067-2071,2080-2083

CEHVVW100M16

C 2084,2086,2088,2090

CKSRYB104K25

C 2085,2087,2089,2091

CEHVVW100M16

C 2092-2095,2103,2104

CKSRYB104K25

C 2096,2097,2101,2102

CEHVVW100M16

C 2098-2100,2105,2107

CKSRYB103K50

C 2106,2109,2110

CEHVVW100M16

C 2108,2111-2115,2120

CKSRYB104K25

C 2116-2119,2122-2126

CEHVVW100M16

C 2121,2130-2135,2137

CKSRYB104K25

C 2127,2136,2140,2163

CKSRYB103K50

C 2128,2129,2139,2142

CEHVVW100M16

C 2138,2141,2144-2147

CKSRYB104K25

C 2143,2148-2151

CEHVVW100M16

C 2152,2155,2156,2161

CKSRYB104K25

C 2157-2160,2165,2166

CEVW100M16

C 2162,2167-2169,2172

CKSRYB104K25

C 2164,2194,2195,2211

CKSRYB103K50

C 2170,2171,2173-2176

CEVW100M16

C 2177-2180,2226,2227

DCG1049

C 2181-2184,2229,2230

CCSRCH222J50

C 2185-2188,2193,2205

CKSRYB104K25

C 2189-2192,2216,2221

CEVW100M16

C 2196,2197

CCSRCH220J50

C 2198,2200

CKSRYB104K16

C 2199,2201,2204,2206

CCSRCH470J50

C 2203,2217,2268,2291

CEVW101M10

C 2207,2228,2269,2271

CKSRYB471K50

C 2208,2210,2218-2220

CKSRYB104K25

C 2212

CCSRCH101J50

C 2213

CKSRYB102K16

C 2214,2215

CCSRCH180J50

C 2222,2223,2231-2233

CKSRYB104K25

C 2224,2225,2234,2235

CEVW100M16

C 2236,2237,2267

CKSRYB103K50

C 2238,2239,2244-2249

CEVW100M16

C 2240-2243,2258-2261

CKSRYB104K25

C 2250-2253

DCG1049

C 2254-2257

CCSRCH222J50

C 2262-2265

CEVW100M16

C 2266,2270,2273,2275

CKSRYB104K25

C 2274

CEHVVW470M10

C 2276,2278-2290,2292

CKSRYB104K25

C 2277

CEHVVW101M6R3

C 2293

CEVW101M10

C 2294,2295,2300,2301

CKSRYB104K25

C 2296-2299,2310,2311

CKSRYB103K50

C 2302-2309

CKSRYB272K50

F DAC ASSY**SEMICONDUCTORS**

IC 2001-2008,2029,2030

NJM4565MD

IC 2009-2012

RNB4580F

IC 2013-2016

PCM1804DB

IC 2017,2018,2021-2023

AK4387ET

IC 2019

AK4382AVT

IC 2020

AK5381VT

IC 2024

AK5358AET

IC 2025,2026

AK4117VF

IC 2027,2028,2036,2040

AK4387ET

IC 2031,2045-2058

TC7SH08FUS1

IC 2032,2033

TC7WU04F

IC 2037

TUSB3200ACPAH

IC 2038

DYW1785

IC 2039,2042,2043

NJM4565MD

IC 2041

AK4387ET

⚠ IC 2044

S-1200B33-M5

IC 2059,2060

TC7W53FU

IC 2138

DYW1785

D 2001-2016,2018,2019

DAN217U

D 2017,2020

UDZS3R3(B)

D 2021,2022

DAN217U

MISCELLANEOUS

L 2001 COIL

ATH7015

L 2002-2005 CHIP SOLID INDUCTOR

QTL1013

KN 2001-2004 EARTH METAL FITTING

VNF1109

X 2001 CRYSTAL RESONATOR

DSS1136

CN 2010,2011 31P CONNECTOR

VKN1435

CN 2012 CONNECTOR

AKM1286

CN 2013 CONNECTOR

AKM1279

CN 2014,2015 CONNECTOR

AKM1278

CN 2016 CONNECTOR

AKM1276

CN 2017,2018 29P CONNECTOR

VKN1585

RESISTORS

R 2001-2016,2057-2072

RN1/16SE1201D

R 2017-2024,2073-2080

RN1/16SE3600D

R 2033-2040,2089-2096

RN1/16SE3900D

R 2041,2044,2045,2048

RN1/16SE3301D

R 2042,2043,2046,2047

RN1/16SC30R0D

R 2049,2052,2053,2056

RN1/16SE3301D

R 2050,2051,2054,2055

RN1/16SC30R0D

R 2097,2100,2101,2104

RN1/16SE3301D

R 2098,2099,2102,2103

RN1/16SC30R0D

R 2105,2108,2109,2112

RN1/16SE3301D

R 2106,2107,2110,2111

RN1/16SC30R0D

R 2238-2241,2309,2310

RS1/10SR5101D

R 2242-2245,2319,2320

RS1/10SR1601D

R 2246-2249,2322,2323

RS1/10SR1001D

R 2250-2253,2324,2325

RS1/10SR1101D

R 2352-2355

RS1/10SR5101D

R 2356-2359

RS1/10SR1601D

R 2360-2363

RS1/10SR1001D

R 2364-2367

RS1/10SR1101D

R 2384,2385

RS1/8SQ0R0J

Mark	No.	Description	Part No.
	JP 5001	CONNECTOR ASSY	DKP3830

Mark	No.	Description	Part No.
	CN 6006-6009	4P CONNECTOR	VKN1235
	CN 6010	L-PLUG(4P)	KM200NA4L

RESISTORS

R 5010,5013,5016,5019	RS1/8SQ391J
R 5022,5025	RS1/8SQ391J
R 5101,5103	RS1/4SA0R0J
Other Resistors	RS1/10SR###J

RESISTORS

R 6060,6072,6084,6096	RS1/8SQ391J
R 6157,6159,6161	RS1/8SQ391J
Other Resistors	RS1/10SR###J

CAPACITORS

C 5003-5008,5010,5012	CKSRYB104K25
C 5009	CEAL101M10
C 5011	CEAL101M16
C 5013,5016,5017,5019	CKSRYB104K25
C 5014,5015,5018,5021	CKSRYB471K50

CAPACITORS

C 6002,6003,6008,6088	CEJQ101M10
C 6004,6005,6007,6010	CKSRYB104K25
C 6012-6015,6019	CKSRYB104K25
C 6023-6025,6028,6029	CKSRYB104K25
C 6026,6027,6030,6033	CKSRYB471K50

C 5020,5023,5025,5027	CKSRYB104K25
C 5022,5024,5026,5028	CKSRYB471K50
C 5029,5032,5041-5044	CKSRYB471K50
C 5030,5031,5033,5038	CKSRYB104K25
C 5039,5040	CEAL100M35

C 6031,6032,6034,6036	CKSRYB104K25
C 6035,6037,6040,6041	CKSRYB471K50
C 6038,6039,6042,6043	CKSRYB104K25
C 6044,6046,6047,6050	CKSRYB471K50
C 6045,6048,6049	CKSRYB104K25

J PANEL B ASSY**SEMICONDUCTORS**

IC 6001-6003	TC74HC4052AF
IC 6005	NJM2903M
Q 6005,6006	2SC4154
Q 6007-6016	2SC3052
Q 6017,6019,6021,6023	DTC143EK

C 6051-6053,6057-6059	CKSRYB104K25
C 6056,6063,6066,6069	CKSRYB471K50
C 6064,6065,6067,6068	CKSRYB104K25
C 6070,6071,6073	CKSRYB104K25
C 6072,6074,6075,6081	CKSRYB471K50

Q 6018,6020,6022,6024	2SB1188
Q 6026,6027	RT1P431M
Q 6028,6030,6032	DTC143EK
Q 6029,6031,6033	2SB1188
D 6001-6006,6011-6016	SLR-343MC(NPQ)

K CH1 FADER ASSY**MISCELLANEOUS**

VR 9901	VARIABLE RESISTOR	DCV1020
CN 9901	4P CONNECTOR	VKN1264

D 6007-6009,6017-6019	SLI-343Y8C(KLMN)
D 6010,6020,6030,6040	SLR-343VC(NPQ)
D 6021-6026,6031-6036	SLR-343MC(NPQ)
D 6027-6029,6037-6039	SLI-343Y8C(KLMN)
D 6041-6046,6051-6056	SLR-343MC(NPQ)

L CH2 FADER ASSY**MISCELLANEOUS**

VR 9911	VARIABLE RESISTOR	DCV1020
CN 9911	4P CONNECTOR	VKN1264

D 6047-6049,6057-6059	SLI-343Y8C(KLMN)
D 6050,6060,6070,6077	SLR-343VC(NPQ)
D 6061-6066	SLR-343MC(NPQ)
D 6067-6069	SLI-343Y8C(KLMN)
D 6075,6076	SLR343BC4T(JK)

M CH3 FADER ASSY**MISCELLANEOUS**

VR 9921	VARIABLE RESISTOR	DCV1020
CN 9921	4P CONNECTOR	VKN1264

D 6078	SLR-343VC(NPQ)
D 6079,6080	SLI-343P8C(ABCD)
D 6071-6074,6081,6082,6084,6085	SLI-343YYW(TUV)
D 6211-6241	1SS355
D 6242-6246	DAN217U

N CH4 FADER ASSY**MISCELLANEOUS**

VR 9931	VARIABLE RESISTOR	DCV1020
CN 9931	4P CONNECTOR	VKN1264

MISCELLANEOUS

VR 6001-6013	VARIABLE RESISTOR	DCS1100
VR 6014,6016,6018-6020	ROTARY VR	DCS1104
VR 6017	VARIABLE RESISTOR	DCS1100
S 6001,6002,6004	SLIDE SWITCH	DSH1058
S 6003,6009,6012	TACT SWITCH	DSG1079

S 6005,6007,6008	SLIDE SWITCH	DSH1058
S 6006,6025	SLIDE SWITCH	DSH1066
S 6010,6011,6013	SLIDE SWITCH	DSH1058
S 6014-6016,6026-6030	TACT SWITCH	DSG1079
S 6017	ROTARY SWITCH	DSG1098

O CRS FADER ASSY**MISCELLANEOUS**

VR 9941	VARIABLE RESISTOR	DCV1006
CN 9941	L-PLUG(4P)	KM200NA4L

S 6018	ROTARY SWITCH	DSG1131
CN 6001	CONNECTOR 22P	52492-2220
CN 6002,6003	29P CONNECTOR	VKN1260

5	6	7	8
Mark	No.	Description	Part No.
P	OUTPUT ASSY		
	SEMICONDUCTORS		
	IC	4001,4007,4008	NJM4580MD
	IC	4002,4003	NJM4580DD
	IC	4004-4006,4009,4010	NJM4565MD
	Q	4001-4004,4018	2SC5938A
	Q	4005-4008,4013,4014	2SK209
	Q	4009-4012,4015,4016	INC2001AC1
	Q	4017,4019,4029,4030	2SK209
	Q	4020-4028,4031,4032	2SC5938A
	D	4001	1SS355
	D	4012-4015	DAN217U
	MISCELLANEOUS		
	L	4001-4004 FERRITE CORE	VTF1080
	L	4005-4010 FERRITE CORE	VTF1093
	JA	4001,4002 CANON CONNECTOR	DKB1093
JA	4003,4006 JACK	PKB1034	
JA	4004,4005 JACK	DKN1249	
JA	4007 HEADPHONE JACK	DKB1078	
JA	4008-4010 HP JACK	DKN1452	
S	4001 SLIDE SWITCH	DSH1063	
CN	4001 PLUG(8P)	KM200NA8	
CN	4002 PLUG(15P)	KM200NA15	
CN	4003 PLUG(7P)	KM200NA7	
O	CANON SHIELD	DNF1789	
JH	4001 PCB BINDER	VEF1040	
RESISTORS			
R	4001-4004	RN1/16SE2701D	
R	4005-4008,4013-4016	RN1/16SE3002D	
R	4009-4012	RN1/16SE2401D	
R	4017-4020	RN1/16SE2201D	
R	4032-4039	RS1/10SR3601D	
R	4045-4048	RS1/10SR6801D	
R	4049-4052,4083,4087	RD1/2VM221J	
R	4053-4056	RD1/2VM101J	
R	4057,4060,4061,4064	RS1/10SR8200D	
R	4058,4059,4062,4063	RS1/10SR2201D	
R	4065-4068	RS1/10SR6201D	
R	4073,4076,4097,4101	RS1/10SR4701D	
R	4085,4086,4091,4092	RS1/10SR5601D	
R	4090,4096,4098,4128	RS1/10SR5101D	
R	4093,4103,4129,4133	RS1/10SR4702D	
R	4094,4095,4099,4100	RS1/10SR6202D	
R	4102,4106-4109	RS1/10SR4701D	
R	4104,4134,4170,4171	RS1/10SR4301D	
R	4111,4153	RD1/2VM331J	
R	4112-4115,4124-4127	RS1/10SR2202D	
R	4117-4120,4131,4160	RS1/10SR4701D	
R	4121,4122,4130,4132	RS1/10SR5600D	
R	4145,4147,4149,4151	RS1/10SR1200D	
R	4161,4164,4165	RS1/10SR4701D	
R	4162,4163,4168,4169	RS1/10SR4702D	
R	4172,4173	RN1/16SE3602D	
R	4176,4177	RD1/2VM821J	
R	4212,4213	RS1/10SR4702D	
R	4214,4216	RS1/10SR1601D	
R	4215,4217	RS1/10SR3301D	
Other Resistors		RS1/10SR###J	

Mark	No.	Description	Part No.
CAPACITORS			
C	4001,4002,4052,4053		DCE1019
C	4003,4004,4054,4055		CCSRCH182J50
C	4005-4008,4068-4071		CCSRCH101J50
C	4009,4010,4018,4019		CKSRYB104K25
C	4011,4012		CCH1357
C	4013-4016		CCSRCH680J50
C	4017,4020,4023,4024		CEAT101M25
C	4021,4022,4025-4028		CKSRYB104K25
C	4029-4032,4057,4058		CCSRCH560J50
C	4033-4036		DCE1018
C	4039,4040,4059,4060		CKSRYB104K25
C	4041,4042		CCSRCH331J50
C	4043,4044,4123,4124		CEAT100M50
C	4045,4046		DCE1017
C	4051,4083,4099,4100		CKSRYB472K50
C	4056,4084,4103,4104		CKSRYB152K50
C	4061,4088,4109,4112		CKSRYB334K10
C	4062,4087,4113,4115		CCSRCH560J50
C	4063,4065,4072,4073		CKSRYB104K25
C	4067,4089,4117,4118		CKSRYB473K25
C	4074,4079,4080,4085		CEANP100M35
C	4075-4078,4101,4102		CCSRCH101J50
C	4081,4082,4111,4114		CKSRYB104K25
C	4086,4090,4121,4122		CEANP100M35
C	4091-4096,4125,4126		DCE1016
C	4097,4098		CEAL100M35
C	4105,4106		CCSRCH102J50
C	4119,4120,4129,4131		CKSRYB104K25
C	4128,4130		CEAT101M35
Q PWR SECONDARY ASSY			
SEMICONDUCTORS			
⚠	IC	8301	BD9703T-V5
	Q	8301,8302	2SC4154
	Q	8303,8304	RT1N241M
	Q	8305,8306	RT1P241M
	Q	8307	2SC1740S
⚠	D	8301,8304-8314,8322	1SR154-400
⚠	D	8302,8303	RB060L-40
⚠	D	8315	RB160L-40
	D	8316,8317,8320	1SS355
MISCELLANEOUS			
	JP	8301 BOARD IN WIRE	DB009NH2
	L	8301 RADIAL LEAD INDUCTOR	DTL1168
	L	8302 CHIP COIL	LCTAW330J2520
	KN	8301 WRAPPING TERMINAL	VNF1084
	CN	8301 10P TOP POST	B10B-EH
	CN	8302 L-PLUG(7P)	KM200NA7L
	CN	8303 9P JUMPER CONNECTOR	52147-0910
	CN	8304 PLUG(10P)	KM200NA10
	CN	8305 PLUG(5P)	KM200NA5
	CN	8306 PLUG(8P)	KM200NA8
⚠	P	8301,8306,8311 PROTECTOR (800 mA)	AEK7008
⚠	P	8302,8303,8307 PROTECTOR (250 mA)	AEK7002
⚠	P	8304,8305,8308 PROTECTOR (500 mA)	AEK7005
⚠	P	8309,8310 PROTECTOR (500 mA)	AEK7060
RESISTORS			
	R	8304	RS1/10SR3301F

Mark No. Description Part No.

R 8305	RS1/10SR8200F
R 8322,8327,8329	RS1/4SA0R0J
Other Resistors	RS1/10SR###J

Mark No. Description Part No.

⚠ P 8202,8203 PROTECTOR (3.5 A)	AEK7017
⚠ P 8205 PROTECTOR (2.5 A)	AEK7014
⚠ P 8206 PROTECTOR (500 mA)	AEK7005

CAPACITORS

C 8301,8303,8306	CKSRYB473K50
C 8302,8304,8305,8307	CKSRYB473K25
C 8308	CKSRYB473K25
C 8309,8310	CEHAT472M35
C 8311	CEHAT332M25

T TRANS ASSY (DWR1451)

MISCELLANEOUS

JP 8201 CONNECTOR ASSY	PF10EN-D07
⚠ JP 8203 CONNECTOR ASSY 3P	DKP3826
⚠ P 8201,8204 PROTECTOR (1.25 A)	AEK7048
⚠ P 8202,8203 PROTECTOR (3.5 A)	AEK7017
⚠ P 8205 PROTECTOR (2.5 A)	AEK7014
⚠ P 8206 PROTECTOR (500 mA)	AEK7005

U STANDBY ASSY

There is no service parts.

R PRIMARY ASSY (DWR1446)

MISCELLANEOUS

⚠ L 8001 FILTER	DTL1131
⚠ H 8001,8002 FUSE CLIP	AKR1004
CN8001 AC CORD SOCKET	RKP1751
⚠ CN8002,8005 CONNECTOR	B2P3-VH
JH 8001,8002 PCB BINDER	VEF1040

CAPACITORS

⚠ C 8001	ACE7027
⚠ C 8002	ACG7030

V REG ASSY

SEMICONDUCTORS

⚠ IC 8501	BA05T
⚠ IC 8502	KIA7815API
⚠ IC 8503	KIA7915PI
D 8501,8502	RB501V-40

MISCELLANEOUS

J 4 JUMPER WIRE	D20PYY0908E
JH 8501 9P CABLE HOLDER	51048-0900

CAPACITORS

C 8501,8502	CKSRYB104K50
C 8503-8506	CKSRYB104K25

R PRIMARY ASSY (DWR1450)

MISCELLANEOUS

⚠ L 8001 FILTER	DTL1131
⚠ H 8001,8002 FUSE CLIP	AKR1004
CN8001 AC CORD SOCKET	RKP1751
⚠ CN8002 CONNECTOR	B2P3-VH
⚠ CN8004 CONNECTOR(VH)	B3P5-VH
JH 8001,8002 PCB BINDER	VEF1040
⚠ S 8001 VOLTAGE SELECT SW	XKX3005

CAPACITORS

⚠ C 8001	ACE7027
⚠ C 8002	ACG7030

S PWR SW ASSY

MISCELLANEOUS

⚠ S 8101 SWITCH	DSA1035
0 MASK	DEC3212
⚠ JP 8101 CONNECTOR ASSY 2P	DKP3847

CAPACITORS

⚠ C 8101	ACG7030
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T TRANS ASSY (DWR1447)

MISCELLANEOUS

JP 8201 CONNECTOR ASSY	PF10EN-D07
⚠ JP 8202 CONNECTOR ASSY 2P	DKP3827
⚠ P 8201,8204 PROTECTOR (1.25 A)	AEK7048